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Technical Note No. 18-20

QUARTERLY RADIO NOISE DATA SEPTEMBER, OCTOBER, NOVEMBER 1963

W. Q. CRICHLOW, R. T. DISNEY, AND M. A. JENKINS

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

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NATIONAL BUREAU OF STANDARDS

Technical Note 18-20

Issued October 23, 1964

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W. Q. Crichlow, R. T. Disney, and M. A. Jenkins
Central Radio Propagation Laboratory
National Bureau of Standards
Boulder, Colorado

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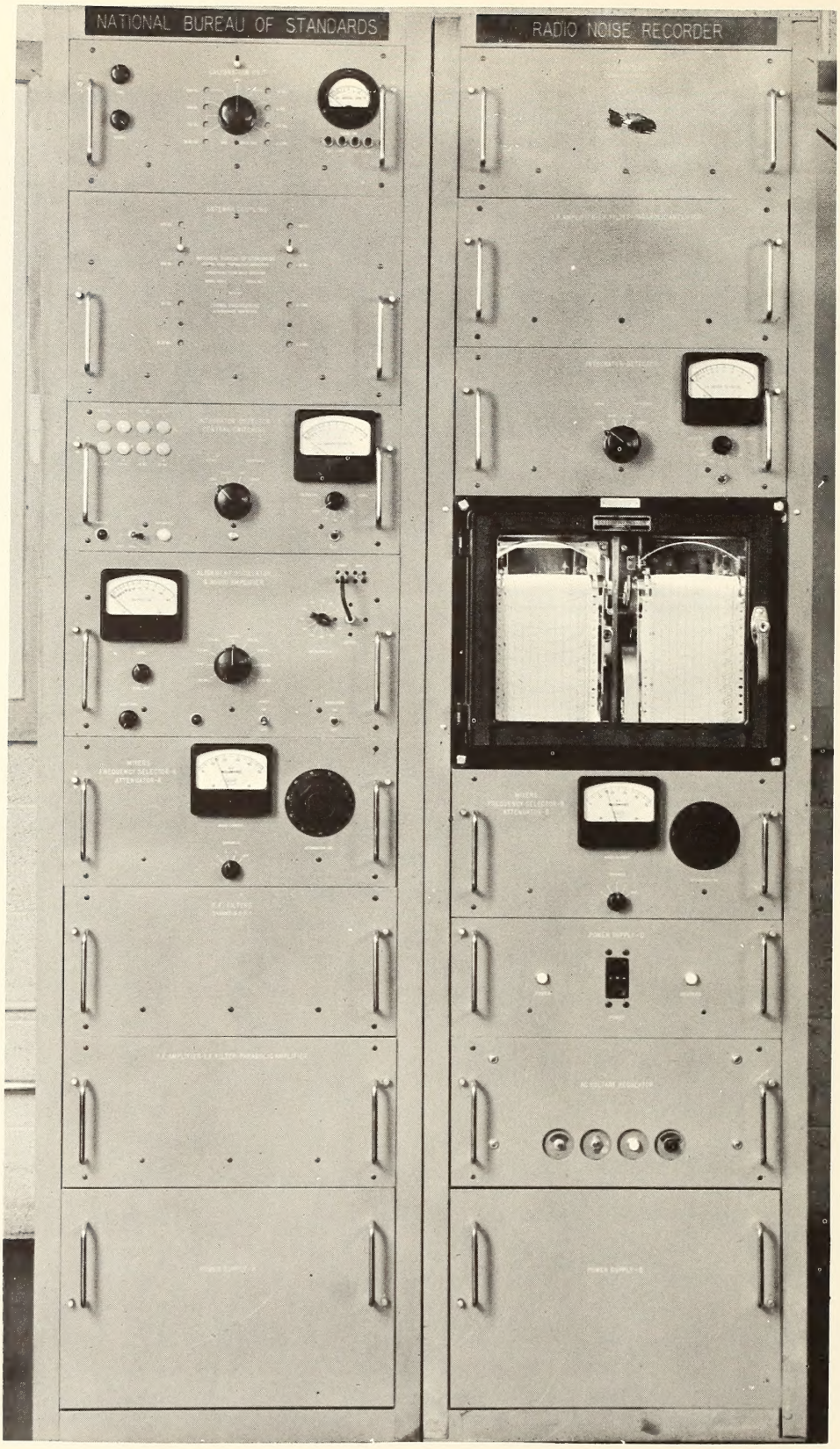
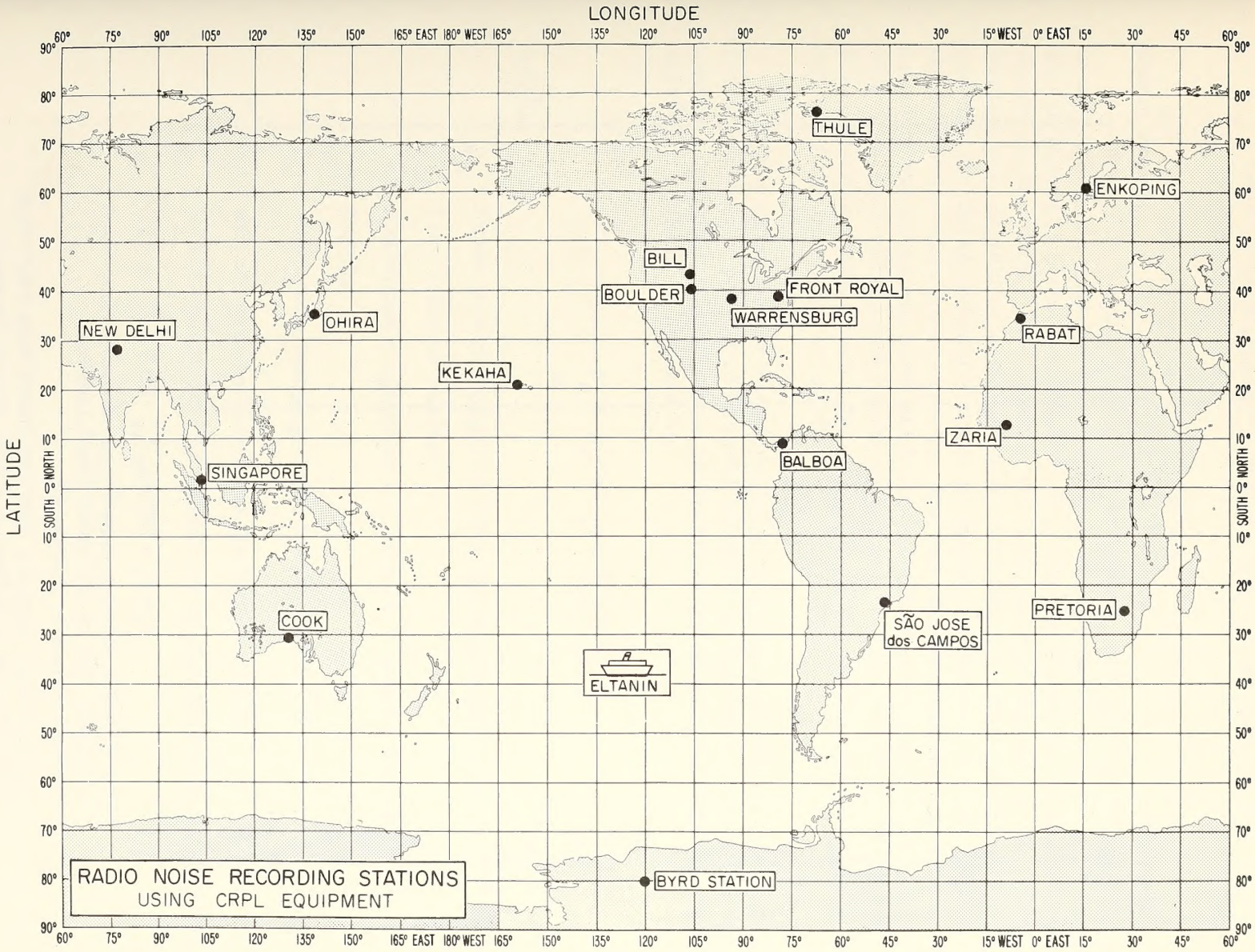
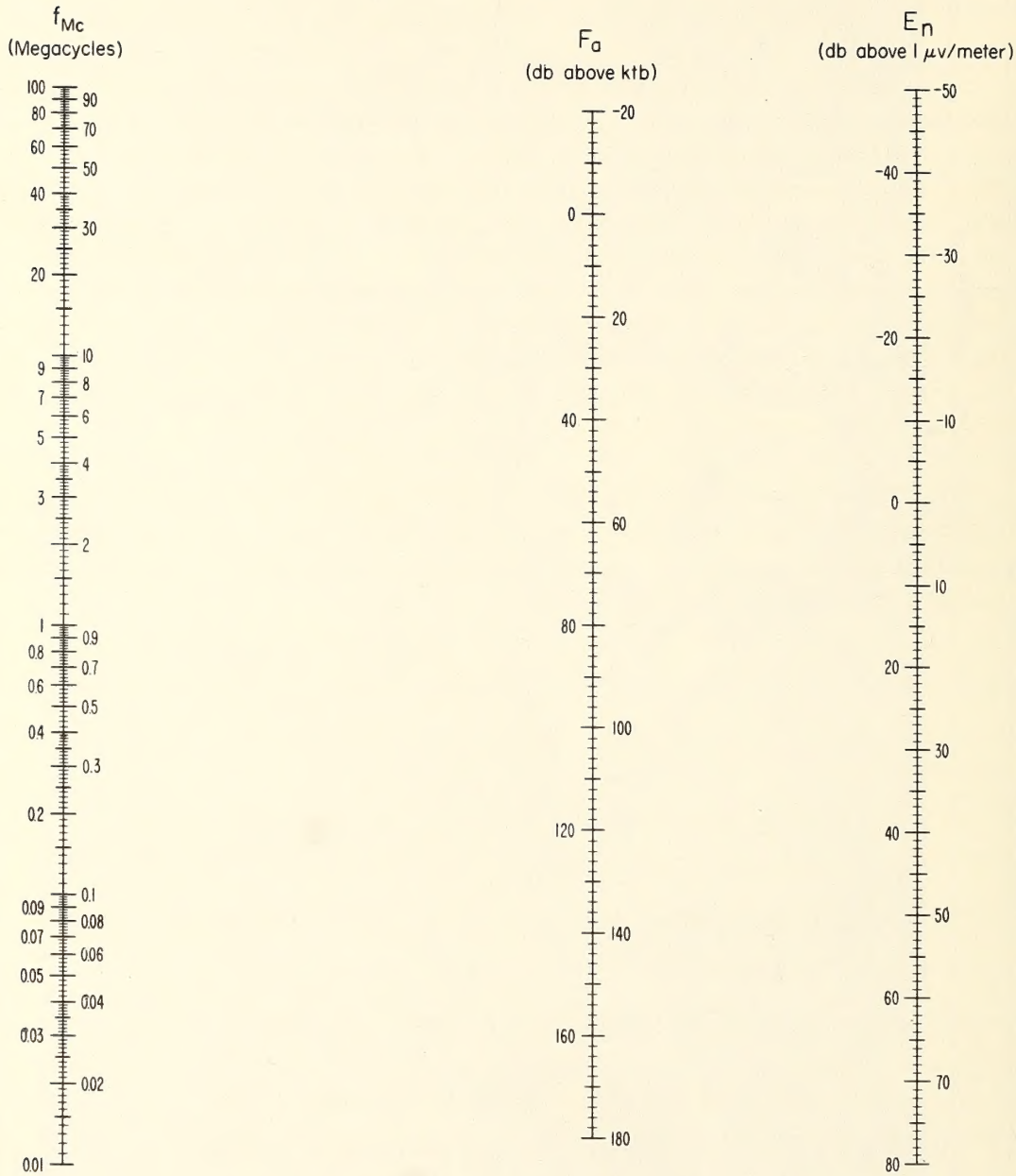
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder


LONGITUDE
LATITUDE
60° 75° 90° 105° 120° 135° 150° 165° EAST 180° WEST 165° 150° 135° 120° 105° 90° 75° 60° 45° 30° 15° WEST 0° EAST 15° 30° 45° 60°
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°
THULE
ENKOPING
BILL
BOULDER
FRONT ROYAL
WARRENSBURG
OHIRA
NEW DELHI
RABAT
KEKAHA
ZARIA
BALBOA
SINGAPORE
SÃO JOSE dos CAMPOS
PRETORIA
COOK
ELTANIN
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
September, October, November 1963

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

Radio noise measurements are being made at eighteen stations in a world-wide network operated in a co-operative program co-ordinated by the National Bureau of Standards. The locations of these stations are shown on the map. The results of these measurements for the months September, October, and November are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports, and the data for previous months, which are now available but have not been published previously, are included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage and the mean logarithm of the envelope voltage.

The noise power received from sources external to the antenna averaged over a period of several minutes is the basic parameter and can be conveniently expressed in terms of an effective antenna noise factor, f_a, which is defined by

$$f_a = p_n/kT_o b = T_a/T_o$$

where

p_n = noise power available from an equivalent loss-free antenna (watts)

k = Boltzman's constant = 1.38×10^{-23} joules per degree Kelvin

T_o = reference temperature, taken as 288° K

b = effective receiver noise bandwidth (c/s)

T_a = effective antenna temperature in the presence of external noise.

The antenna noise factors in this report are for a short vertical antenna over a perfectly conducting ground plane and are expressed in decibels, $F_a (= 10 \log_{10} f_a)$. This parameter is simply related to the rms noise field strength along the antenna by:

$$E_n = F_a - 95.5 + 10 \log_{10} b + 20 \log_{10} f_{Mc/s}$$

where:

E_n = rms noise field strength for bandwidth b in db above 1 μV/m

b = effective receiver noise bandwidth in c/s

$f_{Mc/s}$ = frequency in Mc/s.

The value of E_n for a 1 kc/s bandwidth can be found from the attached nomogram. It should be noted that E_n is the vertical component of the field at the antenna. It should also be noted that the rms envelope voltage is 3 db higher than the rms voltage.

The other two noise parameters tabulated are given relative to the mean power. Thus, the mean voltage and mean logarithm expressed as deviations, V_d and L_d, respectively, are in db below the mean power.

Measurements of the three parameters reported were made with the National Bureau of Standards' Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 6.6294 meter (21.75') vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour during which they were recorded. The month-hour medians, F_{am}, V_{dm} and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

In addition to these month-hour values, corresponding values are tabulated for the time blocks as defined by CCIR Report 322. All recorded values for the four hours of the day and the three-month period are used to determine the median and decile values. When no data were available for one or two months of the season, it is so indicated and should be noted when considering seasonal trends.

The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented in order to expedite dissemination of the data, and additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [Crichlow et al., 1960b] contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution with a form factor described in the above reference and can, therefore, be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is

corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If data for less than three months are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

The assistance of the station operators and other personnel of the operating agencies in obtaining the data contained in this report is gratefully acknowledged. Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii; Warrensburg, Missouri; USNS Eltanin

U.S. Army Strategic Communications Command - Balboa, C.Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR (Great Britain) and Ahmadu Bello University, Electrical Engineering Department, Zaria, Northern Nigeria

Ministry of Communications, Wireless Planning and Co-ordination Organization - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Comissão Nacional des Atividades Espaciais (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore

The following publications contain additional information on radio noise:

Clark, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109, 47, 393 (September, 1962).

Crichlow, W. Q., A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November, 1960b).

Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery, (January-February, 1960) "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," J. Res. NBS 64D (Radio Propagation) No. 1, 49-56.

Crichlow, W. Q., "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6 778 (1957).

Crichlow, W. Q., D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

"Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

"World Distribution and Characteristics of Atmospheric Radio Noise," C.C.I.R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on the Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.

Horner, F., "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).

Horner, F., "Radio Noise of Terrestrial Origin," Proc. of Commission IV on Radio Noise of Terrestrial Origin during the XIIIth General Assembly of URSI," London, September, 1960.

Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (November-December, 1962) "Conversion of the Amplitude-Probability Distribution Function for Atmospheric Radio Noise from One Bandwidth to Another," J. Res. NBS 66D (Radio Propagation) No. 6, 713-720.

Obayashi, T. (January-February, 1960), "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," J. Res. NBS 64D(Radio Propagation) No. 1, 41-48.

Taylor, W. L. (September-October, 1963), "Radiation Field Characteristics of Lightning Discharges in the Band 1 kc/s to 100 kc/s," J. Res. NBS 67D (Radio Propagation) No. 5, 539-550.

Taylor, W. L. and A. G. Jean (September-October, 1959), "Very-Low-Frequency Radiation Spectra of Lightning Discharges," J. Res. NBS 63D (Radio Propagation) No. 2, 199-204.

URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).

Watt, A. D. and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

Watt, A. D. (September-October, 1960), "ELF Electric Fields from Thunderstorms," J. Res. NBS 64D (Radio Propagation) No. 5, 425-433.

Watt, A. D. and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).

Watt, A. D., R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).

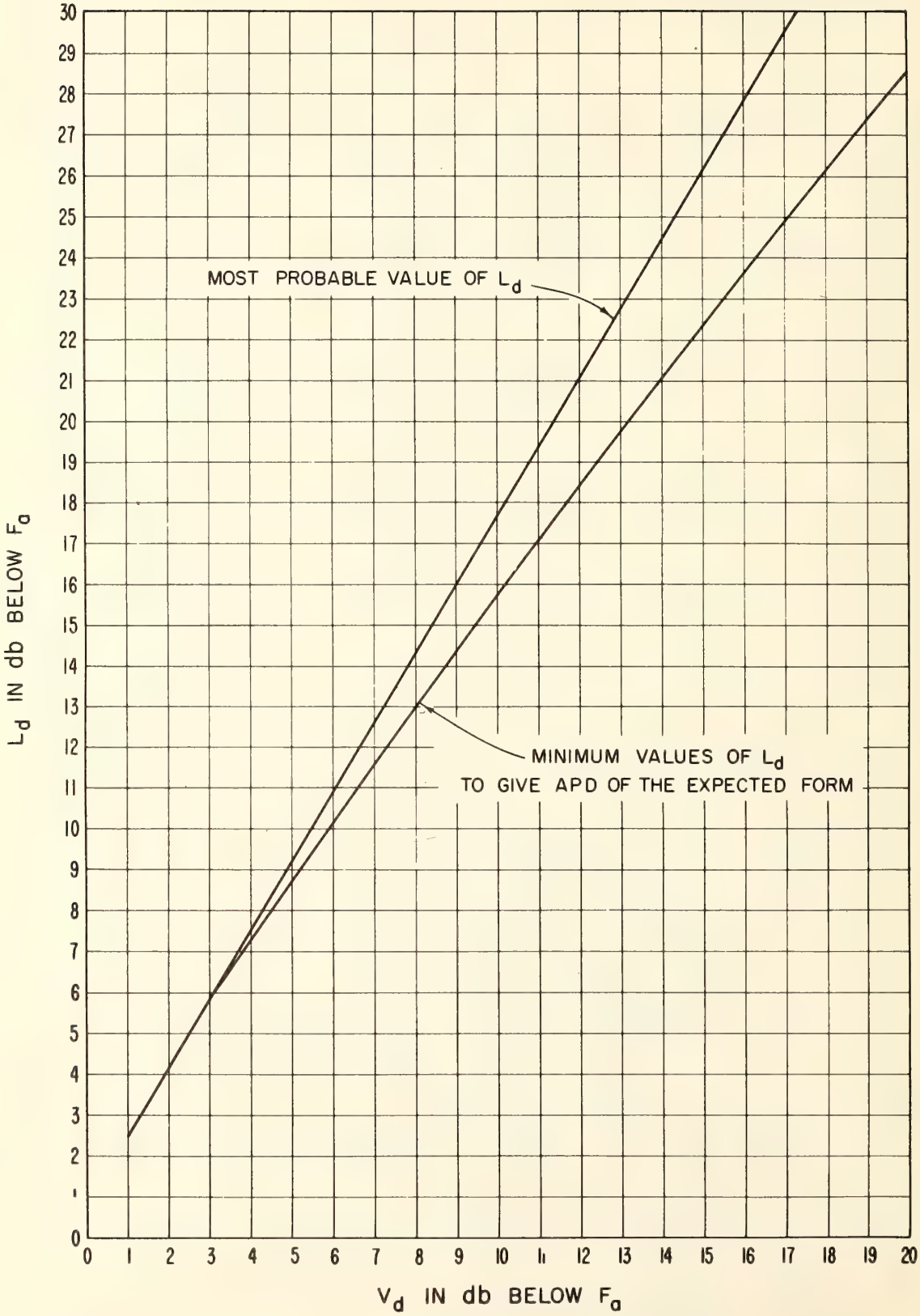
Data included in this report and the standards time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	Sept Oct Nov 1963	75W	+05
Bill	Sept Oct Nov 1963	105 W	+07
Boulder	Sept Oct Nov 1963	105 W	+07
Byrd Station	Sept Oct 1963	120 W	+08
Cook	Sept Oct Nov 1963	135 E	-09
USNS Eltanin	Sept Oct Nov 1963		
Enköping	Sept Oct 1963	15 E	-01
Front Royal	Sept Oct Nov 1963	75 W	+05
Ibadan	February 1962 Correction Sheet	GMT	0
Kekaha	Sept Oct Nov 1963	150 W	+10
New Delhi	Sept Oct Nov 1963	75 E	-05
Ohira	Sept Oct Nov 1963	135 E	-09
Pretoria	Sept Oct Nov 1963	30 E	-02
Rabat	Sept Oct Nov 1963	GMT	0
Saõ José	Sept Oct Nov 1963	45 W	+03
Singapore	Sept Oct Nov 1963	105 E	-07
Warrensburg	Sept Oct Nov 1963	90 W	+06

Previous data from the world-wide network have been published in the following Technical Note 18 series:

18-1 July 1, 1957-December 31, 1958
18-2 March, April, May 1959
18-3 June, July, August 1959
18-4 September, October, November 1959
18-5 December, January, February 1959-60
18-6 March, April, May 1960
18-7 June, July, August 1960
18-8 September, October, November 1960
18-9 December, January, February 1960-61
18-10 March, April, May 1961
18-11 June, July, August 1961
18-12 September, October, November 1961
18-13 December, January, February 1961-62
18-14 March, April, May 1962
18-15 June, July, August 1962
18-16 September, October, November 1962
18-17 December, January, February 1962-63
18-18 March, April, May 1963
18-19 June, July, August 1963

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	170	4	9	*12.0	*17.5	147	6	4	10.0	15.0	127	4	4	8.5	12.5	105	8	6	*7.5	*11.0	76	6	6	6.5	10.5	72	2	6	5.5	8.0	49	14	9	3.0	4.0	29	7	4	2.0	3.0
01	170	6	6	*12.0	*17.0	147	6	6	11.0	15.5	127	4	5	*8.5	*11.5	107	6	6	*8.0	*13.0	79	5	9	6.0	9.5	70	6	6	5.5	9.0	48	23	6	*5.0	*7.0	29	8	4	3.0	4.0
02	172	4	12	*12.5	*17.5	149	4	10	12.0	17.0	127	4	4	10.0	15.0	105	9	5	*6.0	*9.0	76	6	4	5.5	8.5	70	4	6	5.0	8.5	48	24	12	*5.0	*7.5	29	6	4	2.5	4.0
03	170	6	12	*12.5	*18.0	149	6	14	10.5	16.5	127	7	6	10.0	15.0	106	6	8	*7.5	*11.5	78	6	6	5.5	9.0	70	4	9	5.0	8.0	46	8	12	*5.5	*6.5	29	2	4	2.5	4.0
04	170	6	12	*12.5	*18.5	147	6	9	12.0	15.5	127	6	6	*10.5	*16.0	106	9	7	*9.0	*15.5	78	6	7	*6.0	*9.5	68	6	7	6.0	9.0	42	8	8	*4.0	*6.5	27	4	2	*1.5	*3.0
05	172	4	12	*14.5	*19.5	148	5	12	13.0	18.5	127	5	8	*11.5	*17.0	101	11	10	*7.5	*14.0	78	5	8	6.0	10.0	68	4	11	5.0	8.0	46	22	11	*4.5	*7.5	27	4	4	*2.0	*3.0
06	170	4	10	*13.0	*19.0	147	7	13	13.0	19.0	127	5	13	*12.5	*19.0	101	10	17	*11.5	*19.0	70	8	6	8.0	13.5	68	4	10	5.5	11.0	56	14	16	*6.0	*9.0	29	4	4	*2.0	*3.5
07	169	5	9	*13.5	*19.5	147	6	16	13.0	19.5	126	8	12	*13.5	*19.5	102	7	19	*10.0	*15.5	66	8	15	*9.0	*16.0	64	5	13	7.0	11.5	50	6	11	*6.0	*8.5	29	6	4	*2.0	*3.5
08	170	4	14	*14.5	*20.0	145	7	9	14.5	21.0	127	4	13	*13.0	*20.0	101	6	17			60	9	17	*10.0	*15.0	61	4	14	*8.5	*13.5	50	9	11	*7.0	*10.0	29	6	4	2.5	4.0
09	166	8	6	*15.5	*20.0	143	9	9	14.0	19.5	124	7	14	*12.5	*20.0	97	9	18	*12.5	*19.5	57	7	16	*10.0	*16.0	56	5	12	8.0	13.0	46	11	10	*7.0	*11.0	29	8	4	*5.0	*7.0
10	166	7	5	*17.0	*23.0	143	10	10	13.5	21.0	124	8	17	*14.0	*22.0	96	16	14	*12.0	*18.0	52	12	10			54	11	6	*7.5	*10.5	41	15	6	*7.0	*9.5	31	4	6	*4.0	*6.0
11	168	6	8	*14.5	*20.0	141	11	8	14.0	21.0	123	9	17	*13.0	*19.0	97	16	21			51	19	13	*9.0	*13.5	52	13	7	*9.0	*10.0	44	14	8	*7.5	*11.0	33	7	6	*7.5	*10.0
12	167	6	8	*13.0	*17.5	143	10	8	14.0	21.0	125	12	12	*12.5	*18.0	101	18	13	*12.5	19.5	54	14	14	*13.0	*18.5	56	12	10	*8.5	*11.0	45	17	9	*7.0	*10.5	37	10	10	*4.5	*8.0
13	172	6	6	*12.5	*17.5	146	13	8	13.5	18.5	128	12	10	*13.0	*18.0	113	9	19	*13.0	19.0	62	15	18	*12.0	*19.5	64	20	20	*9.5	*14.5	52	12	10	7.0	10.5	37	13	6	*6.5	*9.0
14	172	10	4	*14.5	*19.0	149	12	10	14.0	19.0	131	8	10	*13.0	*19.0	109	16	10	*13.5	20.0	73	15	19	*13.5	*19.5	68	16	14	*12.5	*19.0	54	12	10	*5.0	*7.5	41	10	8	*6.0	*8.5
15	172	6	4	*10.0	*13.5	151	8	8	13.0	18.0	128	11	9	*14.5	*20.0	105	13	14	*12.5	19.0	72	18	16	*12.0	*18.5	66	15	17	*6.0	*9.0	52	14	7	*6.0	*9.0	39	6	6	5.5	8.0
16	170	6	7	11.0	15.0	147	8	8	11.5	16.0	126	11	10	*10.5	*14.5	102	13	14	*14.5	20.0	63	20	16	*9.0	*12.5	62	14	9	8.0	10.5	54	16	9	*5.5	*8.0	37	4	6	5.0	7.0
17	170	4	2	10.5	15.0	145	5	6	11.0	15.0	122	10	9	12.5	18.0	99	8	12	*11.0	15.0	61	14	11	9.0	14.0	66	6	9	*5.5	*9.0	54	20	10	*5.0	*7.5	37	2	4	5.0	7.0
18	166	6	4	*10.0	*14.5	143	8	6	11.5	15.0	121	7	4	9.5	14.0	103	4	6	6.0	10.0	66	8	9	*7.5	*10.0	68	6	8	*5.0	*7.0	66	10	20	*3.0	*5.0	31	6	5	4.0	6.5
19	166	8	4	*11.0	*15.5	144	5	5	10.0	14.5	123	6	3	8.0	11.5	103	5	4	*6.5	9.0	72	8	8	7.0	9.5	72	4	7	*5.5	*7.5	57	17	12	3.0	5.0	29	2	2	3.5	4.5
20	168	4	6	*12.0	*17.0	145	4	5	11.0	15.0	125	3	4	8.0	12.0	105	4	7	6.5	10.0	72	7	7	6.5	9.5	72	4	7	*5.5	*8.0	50	22	12	*3.5	*5.0	29	6	6	*2.0	*3.0
21	169	5	7	*12.0	*17.0	145	4	2	11.0	16.0	125	4	4	*8.0	*11.5	103	6	4	6.0	10.0	72	8	4	6.5	10.0	74	4	4	*6.0	*9.5	48	24	10	3.0	5.5	29	4	4	*2.0	*3.0
22	168	5	7	15.0	17.0	147	6	4	12.0	16.5	127	5	5	*8.5	*12.0	103	6	4	*9.0	14.0	74	5	6	6.5	9.5	70	4	4	*5.0	*7.0	48	19	8	4.5	6.0	29	6	4	3.0	4.0
23	168	6	10	*12.0	*17.5	149	2	6	11.5	17.0	127	4	5	*9.0	*14.5	103	9	2	*6.0	9.5	76	4	6	6.5	9.5	70	4	8	6.0	9.0	48	15	10	3.5	5.0	29	6	6	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	164	10	2	11.5	18.5	147	8	6	*14.0	*16.5	127	9	2	10.0	15.0	103	12	3	8.0	12.0	72	7	4	*6.5	*10.0	68	4	4	6.0	9.0	46	25	6	5.0	6.0	27	11	4	2.5	3.5
01	166	6	3	*11.0	*17.5	147	5	6	*13.0	*15.5	127	6	5	11.0	15.5	103	8	4	*10.0	15.0	72	7	4	*8.5	*12.5	68	4	6	6.0	9.5	44	28	6	5.0	6.5	27	4	4	2.0	3.0
02	166	7	3	*12.0	*19.0	147	5	4	*15.0	*17.0	127	5	4	*9.0	*13.0	104	7	5	6.5	10.0	74	5	2	*7.0	*11.5	64	8	4	6.5	9.5	42	10	6	4.5	7.5	27	2	4	3.0	4.0
03	168	4	7	12.0	21.0	149	4	7	17.0	17.0	125	6	4	10.0	15.0	103	8	6	11.0	16.0	74	4	4	*7.5	*11.5	64	6	5	6.0	9.0	38	8	4	4.5	7.5	27	2	4	3.0	4.0
04	166	6	4	12.5	17.5	145	6	4	*13.0	*17.5	125	6	6	11.0	16.0	101	6	6	8.5	14.0	76	4	5	*8.0	*11.0	64	6	7	6.0	8.5	36	6	4	5.0	7.0	27	1	4	2.0	3.0
05	166	8	7	*12.0	*18.0	145	6	4	*14.0	*17.5	123	6	8	*14.0	*19.5	95	12	8	*13.5	*20.0	75	5	4	*8.0	*12.5	64	6	10	7.0	11.0	38	12	4	5.0	7.0	27	2	4	2.0	3.5
06	164	7	4	*13.0	*18.5	143	6	3	*13.5	*19.0	123	6	14	*16.0	*22.0	89	19	12			68	6	6	*10.5	*14.5	64	4	12	6.5	10.0	46	14	6	5.5	8.0	29	4	4	2.5	3.5
07	164	6	6	*18.0	*18.0	141	10	12	*14.5	*23.0	120	9	14	*7.0	*12.0	91	17	12	*7.0	*11.5	60	10	9	*11.5	*16.0	60	6	13	10.0	14.5	44	4	6	7.5	10.0	29	6	4	3.5	5.5
08	164	6	6	*15.0	*17.0	141	7	15	*13.0	*20.0	119	8	15	*19.0	*25.0	91	15	14	*12.5	*20.0	54	11	13	*9.5	*15.0	54	6	12	11.0	15.0	42	4	5	10.5	14.0	29	9	4	4.0	6.0
09	164	4	6	*16.5	*17.5	141	7	12	14.0	20.5	117	11	12	*19.0	*25.0	91	16	14	*16.5	*25.0	48	9	11	*12.5	*17.0	48	8	12	11.0	14.0	40	6	4	7.0	10.0	29	14	4	4.5	7.0
10	164	4	6	*16.5	*19.0	141	6	12	14.0	21.0	119	9	17	*18.0	*25.5	91	14	13			48	12	12	*13.0	*17.0	47	7	7	6.5	10.0	40	4	4	9.0	13.0	31	4	5	3.5	5.0
11	164	4	7	13.5	17.0	139	8	8	13.0	17.5	121	6	26	*17.0	*22.5	95	12	15	*20.0	*29.0	35	16	8			45	10	6	10.5	13.0	38	4	4	11.0	14.5	31	4	5	5.0	6.5
12	166	4	7	13.5	16.0	143	6	6	12.5	18.5	123	10	11	*16.0	*22.0	96	17	13	*16.0	*24.0	48	11	11	*14.5	*19.0	46	12	4	9.0	12.0	40	6	4	9.0	12.0	33	7	3	7.0	9.0
13	166	7	2	*16.0	*16.5	147	8	11	12.5	22.0	127	8	14	*12.5	*20.0	105	12	18	*18.5	*25.0	57	11	14	*13.5	*17.5	50	15	7	9.5	14.0	44	8	4	9.0	11.0	35	9	4	7.0	9.0
14	168	7	4	*13.5	*15.0	147	10	6	11.0	19.0	126	11	9	*18.0	*22.0	102	13	9	*16.0	*22.5	60	20	18	*12.0	*17.5	56	16	8	9.0	12.5	46	6	4	9.5	13.0	37	4	6	6.5	8.0
15	168	6	3	15.0	16.0	145	10	4	*13.0	*18.5	127	8	10	*16.0	*20.0	106	10	14	*14.0	*19.5	60	14	14	*8.5	*11.0	56	7	7	8.0	11.0	46	7	4	7.5	11.0	37	6	6	4.5	6.0
16	168	5	4	13.5	16.0	147	8	8	12.0	17.0	125	9	10	*15.0	*22.5	101	12	12	*12.0	*17.5	59	18	10	*12.0	*18.0	59	9	7	9.0	13.0	48	8	4	5.0	7.5	37	4	5	4.0	6.5
17	166	6	2	*13.5	*15.5	143	10	7	12.0	17.5	121	10	8	*13.0	*17.5	95	14	7	*11.5	*17.0	60	18	9	*8.0	*11.0	62	6	4	5.5	8.5	48	8	3	6.0	8.0	35	4	5	5.0	7.0
18	164	5	4	15.5	17.5	143	6	5	13.5	16.0	121	7	4	*10.0	*14.5	101	9	3	6.5	9.0	66	7	6	*7.0	*10.0	66	6	4	6.5	8.5	48	17	4	5.5	7.0	31	4	4	4.0	6.0
19	164	6	4	12.0	17.0	145	4	7	13.0	17.0	123	4	4	9.0	13.0	101	17	2	7.0	10.0	70	8	6	*7.0	*10.0	68	4	8	5.0	7.0	47	19	6	5.5	8.0	29	5	5	3.5	5.0
20	166	5	4	11.0	18.0	145	6	6	13.0	16.0	123	6	4	11.0	15.0	103	6	5	*7.0	*10.0	69	9	3	*7.0	*10.5	68	4	6	6.0	10.0	42	7	4	5.5	7.0	27	8	2	3.5	5.0
21	166	5	5	11.0	17.5	145	5	7	*13.5	*15.5	123	8	4	*8.0	*11.0	101	11	2	7.0	10.0	70	6	4	7.0	10.0	69	5	7	5.0	9.0	42	8	6	5.5	7.5	27	7	3	4.0	6.0
22	164	7	4	13.0	19.0	145	8	7	14.0	17.5	123	10	4	11.0	15.0	103	13	4	7.0	10.0	72	4	6	*8.0	*11.0	66	6	6	6.0	8.0	43	13	7	5.0	7.0	27	12	4	2.0	3.0
23	164	10	3	*12.0	*17.0	145	10	4	13.0	17.0	124	12	3	10.0	14.5	103	13	2	7.5	11.5	72	7	6	*7.0	*10.0	66	7	6	6.5	9.0	46	8	9	4.0	6.5	27	12	3	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month November 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	159	6	10	14.0	19.5	139	6	10	12.5	18.0	120	5	6	9.5	15.0	99	6	3	7.5	10.5	66	7	6	7.0	9.0	58	6	5	5.0	7.0	42	9	8	*6.5	*9.0	23	2	2	3.0	4.0
01	159	6	9	14.0	18.5	141	4	11	*13.5	*19.5	122	5	8	9.0	14.0	101	4	6	7.5	13.0	68	6	6	*5.5	*8.0	60	4	6	7.0	9.5	42	9	6	*6.5	*10.0	23	0	2	*3.0	*4.0
02	161	4	6	12.5	16.0	141	4	9	12.0	17.0	120	5	5	9.0	14.5	101	3	5	7.5	12.0	70	5	7	7.0	11.0	58	4	4	5.5	9.0	38	8	6	5.0	7.0	23	1	4	1.0	2.0
03	159	6	4	13.5	18.0	143	2	11	11.5	17.0	122	3	9	10.0	15.0	101	4	4	8.5	13.0	70	4	6	*7.0	*11.5	60	5	6	6.0	8.5	36	8	6	5.5	8.0	23	3	2	2.5	2.5
04	161	4	6	*13.0	*18.0	139	6	8	*12.0	*17.0	120	6	7	11.0	17.0	98	8	4	11.0	17.5	68	6	4	9.0	13.0	56	7	3	6.0	8.0	36	7	6	7.0	9.5	23	3	2	3.0	4.5
05	159	6	4	11.0	16.5	139	8	10	12.0	17.0	118	6	8	*14.0	*20.5	91	4	8	*12.0	*19.0	68	6	5	*9.5	*14.0	60	5	6	6.5	10.0	38	10	8	*5.0	*7.0	23	3	2	3.0	3.0
06	159	4	4	12.0	17.5	134	9	7	*14.0	*18.5	108	15	11	*15.5	*24.0	87	15	12	*11.0	*19.0	64	6	12	9.0	14.0	58	4	6	5.5	8.0	42	10	2	*6.0	*10.0	23	6	0	*4.0	*4.5
07	156	10	3	14.5	19.5	130	11	8	*15.5	*21.0	108	12	15	*16.0	*25.0	83	18	6	*14.0	*19.0	53	11	11	*11.0	*15.0	52	4	4	*7.0	*10.5	42	7	4	7.0	10.0	27	4	4	*4.0	*5.0
08	155	8	6	13.5	19.5	129	11	10	*17.0	*25.0	107	16	13	*16.0	*24.0	81	18	6	10.0	17.5	45	14	9	*7.5	*9.5	46	6	7	*6.5	*10.0	40	6	4	*9.0	*12.0	27	3	4	*4.0	*5.0
09	155	8	6	13.0	18.5	127	10	8	*18.0	*25.5	108	13	16	18.0	24.0	83	11	8	*6.5	*8.0	40	13	6	*7.5	*10.0	42	6	6	*8.5	*10.0	40	2	6	*6.0	*11.0	27	4	4	5.5	6.5
10	155	8	6	*14.0	*18.5	129	10	9	*15.0	*20.0	102	17	7	*14.0	*21.0	79	16	5	*11.0	*17.0	38	17	5	*5.5	*7.0	40	5	7	*4.0	*5.5	38	4	6	*5.5	*9.0	27	3	3	*4.5	*6.0
11	157	4	5	12.5	15.5	129	9	6	13.5	18.0	100	17	8	*14.0	*18.5	77	18	3	*11.0	*15.0	38	8	4	*5.5	*7.5	38	8	6	8.0	11.0	36	4	3	*8.0	*11.5	29	4	5	*4.0	*5.0
12	159	4	2	10.0	16.0	131	9	3	13.5	18.5	104	16	11	*14.0	*21.0	81	18	6	*3.5	*5.0	38	9	5	*6.0	*8.0	38	10	6	*8.0	*9.5	38	3	4	8.0	11.5	31	3	6	*2.0	*3.5
13	161	4	4	10.0	14.0	135	10	6	12.5	16.5	110	17	11	*15.0	*21.0	87	26	12	*4.0	*5.0	38	12	5	*4.0	*5.0	40	7	4	*7.5	*9.0	40	7	5	*9.0	*12.0	32	8	4	*6.5	*8.5
14	163	6	4	10.0	13.0	137	15	7	*12.0	*16.5	113	20	11	*15.0	*18.5	91	22	12	*12.0	*17.0	42	34	8	*13.0	*18.0	45	20	6	*7.0	*9.0	42	12	4	*5.0	*7.0	32	8	3	*6.0	*7.5
15	161	7	2	10.5	14.0	136	12	7	*9.5	*16.5	110	16	10	*15.0	*21.0	89	14	11			45	18	7	*12.5	*17.5	48	18	8	*9.0	*12.0	43	3	5	*5.0	*8.0	31	3	3	6.0	8.0
16	161	3	2	11.0	16.0	136	10	6	*11.0	*15.5	111	12	9	*15.5	*24.0	89	11	10	*12.0	*16.0	50	16	7	*15.0	*20.0	52	7	5	*7.5	*10.5	44	4	4	5.0	8.0	29	4	4	*5.0	*7.0
17	159	5	4	11.0	16.0	135	6	6	12.0	16.5	110	10	8	12.0	17.0	91	8	6	*8.0	*11.0	56	6	7	*9.5	*13.0	60	2	8	*5.0	*8.0	46	5	5	4.5	7.5	29	2	4	4.5	5.5
18	157	4	6	12.5	17.0	135	8	6	11.0	16.5	116	5	6	9.0	14.0	99	4	4	7.0	10.0	64	5	8	*9.0	*13.0	62	4	4	*4.5	*6.0	46	4	6	6.0	8.5	25	4	2	5.0	6.0
19	157	7	2	13.0	18.5	137	6	6	12.0	17.0	116	7	5	9.5	14.5	99	3	5	7.5	11.0	58	4	9	8.5	12.0	60	6	4	*5.5	*7.5	42	7	4	7.0	9.5	25	2	2	3.5	5.0
20	157	6	5	13.0	17.5	137	6	5	12.5	17.5	118	4	6	10.0	15.0	99	3	8	7.5	11.5	66	5	8	8.5	12.0	62	2	6	*5.5	*7.5	39	6	4	*5.0	*7.0	23	2	0	3.0	4.0
21	157	6	7	12.5	17.5	137	6	7	12.0	18.0	116	8	4	10.0	15.5	99	5	4	7.0	10.0	66	4	6	9.0	12.0	60	5	6	*4.0	*5.0	40	4	6	6.0	8.0	23	2	2	3.5	4.0
22	157	5	7	12.5	17.0	137	7	7	12.0	17.0	118	6	6	10.0	16.0	99	7	5	7.0	10.0	62	6	5	7.0	9.0	60	4	6	*5.0	*8.0	40	4	5	4.5	6.5	23	3	2	*3.0	*4.0
23	157	7	4	*12.0	*18.0	139	5	10	12.0	16.0	120	6	9	*9.0	*13.0	101	4	6	7.0	12.0	66	5	4	*8.5	*12.0	58	8	4	5.5	7.5	40	7	4	*6.0	*8.0	23	5	2	*3.5	*5.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month September 1963

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	164	5	5	10.5	17.0	138	7	9	8.0	13.0	117	9	11	8.0	14.5	99	12	17	6.5	11.5	69	7	13	4.0	8.0	57	7	5	4.0	8.0	38	6	6	2.5	5.0	25	5	0	1.0	2.5
01	164	5	6	11.5	18.0	138	9	9	7.0	12.5	115	10	13	8.0	15.0	97	12	12	6.5	12.5	69	6	11	4.5	8.0	59	4	8	4.0	7.5	38	10	7	1.5	4.0	25	2	1	1.5	2.5
02	164	5	8	11.5	18.0	138	9	9	8.0	12.5	117	9	11	8.5	15.0	97	9	14	7.0	13.0	70	5	11	4.5	8.5	58	5	9	4.5	8.0	34	10	4	2.0	4.0	25	3	2	1.5	2.5
03	164	7	8	11.0	18.0	138	7	9	7.5	12.0	115	6	10	8.0	15.0	96	8	13	7.5	14.5	69	7	10	4.5	9.0	56	6	5	4.5	8.0	36	13	6	1.0	4.0	25	2	2	1.5	2.5
04	162	5	6	11.5	18.5	136	8	8	8.5	13.0	113	10	13	10.0	17.0	92	7	17	9.5	18.0	68	6	12	5.0	9.0	53	8	6	4.5	7.5	38	8	8	1.5	4.5	25	2	2	1.5	3.0
05	162	5	8	11.5	19.0	132	9	7	9.0	13.0	103	17	12	13.0	21.0	66	28	8	10.5	14.0	63	8	12	6.0	11.0	52	7	7	5.0	8.5	47	8	15	1.5	3.5	25	1	2	1.0	2.5
06	160	6	4	12.0	19.5	132	9	9	8.0	12.0	103	18	27	13.0	20.5	66	25	16	3.0	5.0	45	14	12	8.0	13.0	48	7	10	5.5	9.0	40	6	7	2.0	4.5	25	0	2	1.5	2.5
07	161	4	7	13.0	19.5	130	8	11	8.0	12.0	102	12	34	12.5	20.0	62	22	12	2.0	4.0	37	18	12	8.5	10.0	42	10	14	6.5	10.5	37	8	8	2.5	4.5	25	2	2	2.0	3.0
08	160	7	6	12.5	19.0	129	10	11	9.0	13.5	95	11	26	12.0	20.0	56	25	6	2.0	3.0	37	15	6	9.0	11.0	35	10	14	6.5	11.5	35	7	7	3.0	5.0	25	2	2	1.5	3.0
09	160	4	6	12.0	18.5	126	11	8	9.0	13.5	90	26	19	11.0	17.0	54	34	4	1.5	4.0	23	14	2	7.0	9.0	29	12	10	7.0	12.0	32	6	6	3.0	6.0	25	2	2	1.5	2.5
10	160	4	6	11.0	18.5	129	9	13	9.0	13.0	99	18	26	13.0	20.5	64	26	12	6.5	10.0	23	16	2	5.0	6.5	28	11	9	6.0	12.0	33	5	5	4.0	6.5	25	2	2	2.0	3.0
11	162	2	8	9.5	13.5	132	6	16	8.5	13.0	104	13	29	11.5	17.5	64	24	14	3.5	5.5	23	16	3	8.0	11.5	29	13	13	7.0	11.5	34	4	6	4.5	7.0	25	2	0	2.0	3.5
12	163	3	8	8.5	14.0	134	7	16	7.0	11.0	103	20	28	10.0	17.5	74	22	22	8.0	14.0	23	20	2	7.5	10.0	29	16	14	6.5	11.0	38	4	10	4.0	7.0	26	3	1	1.5	3.0
13	165	3	9	8.0	13.0	134	10	13	7.0	10.5	106	18	24	9.5	17.0	76	23	24	7.0	15.0	23	32	2	4.5	7.5	33	20	16	6.5	10.5	39	7	9	4.0	7.0	26	5	1	1.5	3.0
14	166	4	10	7.5	12.5	138	8	17	7.5	12.0	111	14	30	10.5	17.0	80	23	27	9.0	15.0	29	36	8	5.0	9.0	33	17	21	5.0	9.0	44	8	11	3.0	5.0	27	4	2	2.0	3.5
15	167	5	11	8.5	13.0	138	9	13	8.0	12.5	113	18	25	10.5	18.0	89	21	33	10.5	16.5	39	31	18	6.0	10.0	45	13	18	5.5	9.0	50	10	14	2.0	3.5	29	4	2	3.0	4.5
16	168	4	13	9.0	14.0	138	8	16	7.5	12.0	118	11	28	11.0	18.0	92	16	39	9.5	17.0	49	18	25	6.0	9.0	51	10	22	4.5	7.5	62	4	23	*4.0	*7.0	29	3	3	2.0	4.0
17	166	4	10	9.0	15.0	139	7	14	8.0	12.0	117	10	22	7.5	13.5	87	19	26	8.0	15.0	55	12	27	5.0	11.0	55	8	20	4.0	7.0	63	8	24	1.0	3.0	27	3	2	2.5	4.0
18	164	4	8	9.0	15.0	138	7	11	7.5	12.5	117	11	17	6.5	12.5	93	14	18	6.0	10.5	63	4	17	3.5	8.0	61	6	14	2.5	5.5	62	10	22	1.5	3.0	25	2	0	1.0	2.5
19	166	4	9	10.0	16.5	140	6	13	7.5	12.5	119	10	18	7.0	13.0	96	10	18	5.0	10.5	69	6	14	4.0	7.0	63	6	10	3.5	7.0	53	15	18	2.0	4.5	25	2	0	1.5	2.5
20	166	4	9	10.5	16.5	140	7	13	6.5	12.0	119	8	19	7.0	13.0	98	7	20	5.5	11.5	69	6	15	4.0	7.5	63	4	13	4.0	7.0	48	19	16	2.0	3.5	25	2	0	1.0	2.0
21	166	4	9	10.0	16.5	140	7	12	6.5	11.0	118	8	15	7.0	13.5	98	6	20	6.0	11.5	69	6	20	5.0	8.5	59	7	8	4.5	7.5	44	16	12	2.0	4.0	25	2	0	0.5	2.0
22	166	2	9	10.5	17.5	140	6	14	7.5	11.0	118	7	16	8.0	14.5	98	7	17	6.0	11.0	71	4	18	4.5	8.0	59	6	10	4.0	7.0	39	10	7	2.0	3.5	25	2	0	1.0	2.0
23	164	4	6	10.5	17.5	138	7	12	8.0	12.5	117	8	14	8.0	14.0	98	8	17	5.5	11.5	69	6	14	4.5	8.0	57	7	7	4.0	7.0	38	10	6	1.5	3.0	25	2	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	157	4	2	12.0	18.5	132	4	5	9.0	13.5	109	6	6	8.5	15.0	92	8	7	8.0	15.0	64	9	8	5.0	8.5	54	5	6	3.5	7.0	38	28	8	2.0	4.0	25	0	2	1.0	2.0
01	157	4	2	12.0	19.0	132	4	4	10.0	15.0	108	7	4	9.0	16.0	92	7	8	8.0	13.5	63	10	7	5.0	9.0	55	4	8	3.5	7.0	36	22	7	1.5	4.0	25	0	2	1.0	2.0
02	157	3	2	13.0	19.5	131	5	4	9.0	14.0	107	8	5	10.0	17.0	89	10	5	9.5	17.0	63	10	8	5.0	9.5	54	5	7	4.0	7.0	34	12	5	2.0	3.0	25	0	2	1.0	2.5
03	157	4	2	12.5	19.0	132	4	6	9.0	14.0	107	10	7	11.0	18.5	92	8	8	9.5	17.0	61	10	6	5.5	9.5	53	8	5	4.5	7.5	36	8	6	2.5	4.0	25	0	2	1.0	2.5
04	157	5	2	12.5	19.5	128	11	4	9.0	12.5	105	14	10	13.0	21.0	86	12	7	11.5	19.0	60	9	9	5.5	10.0	53	6	6	5.5	8.5	34	14	3	2.5	5.0	25	0	2	1.0	2.5
05	155	6	4	13.0	19.5	125	12	3	8.0	11.0	97	16	8	12.0	20.0	74	12	9	9.5	16.5	61	8	14	6.0	10.0	49	10	6	5.5	7.5	36	4	4	2.0	3.5	25	0	2	0.5	2.0
06	155	3	4	12.5	19.0	122	11	4	10.0	14.0	84	22	12	12.0	19.0	56	15	6	3.0	4.0	47	10	8	5.0	7.0	45	10	4	4.0	7.0	36	8	2	3.5	6.5	25	2	2	1.0	2.5
07	153	4	4	12.0	18.0	120	8	8	8.0	11.0	74	31	7	5.0	7.0	54	22	4	2.0	4.0	30	19	7	5.0	7.0	35	10	6	3.0	5.0	34	6	2	2.5	4.0	25	4	2	1.5	2.5
08	153	3	4	12.5	18.5	117	12	7	8.5	12.0	73	31	10	4.0	6.5	54	17	2	2.0	3.5	25	8	4	3.0	4.5	27	8	6	2.0	3.5	34	4	4	3.0	5.0	27	3	4	1.0	2.5
09	153	6	2	12.5	18.0	116	16	4	8.0	11.0	73	10	10	3.5	4.5	54	12	4	1.5	3.0	23	8	2	2.0	3.5	25	5	4	2.5	4.0	30	3	2	2.0	4.0	25	5	1	2.0	3.5
10	153	4	2	10.0	16.0	120	12	8	8.0	11.5	79	26	12	9.0	13.0	56	12	6	1.5	3.0	23	1	2	1.5	3.0	23	8	2	2.0	3.5	30	2	2	2.0	4.0	27	2	2	1.5	3.0
11	155	4	4	9.0	14.0	119	18	6	9.0	12.0	84	11	15	7.0	10.0	56	12	4	3.0	4.5	23	6	3	1.5	2.5	25	10	7	2.5	3.5	32	2	4	2.5	4.0	27	4	2	2.0	3.5
12	155	3	2	10.0	15.0	120	6	7	8.0	12.0	85	10	16	8.0	12.5	58	7	4	3.0	5.0	23	0	2	1.5	3.0	25	6	6	3.5	4.5	34	4	6	3.0	4.5	29	4	4	2.0	3.5
13	155	4	2	9.0	14.0	124	8	8	8.0	12.5	89	16	16	9.0	14.0	62	11	7	3.5	5.0	23	5	2	1.5	3.0	27	12	6	5.0	7.0	36	8	4	3.5	6.0	29	2	2	2.0	3.0
14	157	6	5	10.0	16.0	126	8	9	9.0	14.0	95	13	16	11.0	16.0	62	15	10	5.0	7.0	27	6	4	3.0	4.5	36	7	9	4.5	7.5	39	9	5	2.5	4.0	29	4	3	2.0	3.0
15	157	5	4	10.0	16.0	126	9	8	9.0	14.0	95	14	21	10.5	18.0	60	16	7	4.0	7.0	34	9	11	3.5	7.0	43	4	10	4.5	7.5	44	8	8	3.5	5.0	29	2	4	2.0	3.0
16	157	6	4	11.0	17.0	126	12	8	10.5	15.5	99	13	15	9.0	16.0	69	12	15	5.0	9.5	40	12	12	4.0	8.0	47	6	8	4.5	7.0	46	17	6	3.5	6.0	27	4	2	2.0	3.5
17	157	6	4	10.5	17.0	128	10	7	8.5	13.0	103	11	12	8.0	14.0	90	14	15	6.0	11.0	54	6	18	4.0	7.5	55	6	8	4.5	7.0	46	15	4	2.5	5.0	25	2	1	1.5	2.5
18	159	7	6	11.0	18.0	128	10	4	9.0	14.0	105	11	9	7.0	13.5	86	9	8	7.0	12.5	59	8	7	3.5	6.5	55	8	7	4.0	7.0	42	17	6	2.0	4.0	25	2	1	1.0	2.5
19	158	6	3	11.5	18.5	130	10	4	8.0	12.5	105	12	6	8.0	13.0	90	6	9	6.0	12.5	62	7	5	4.0	7.0	53	9	3	4.0	7.5	41	14	9	2.0	4.0	25	2	2	1.5	2.5
20	157	7	2	11.5	18.0	130	9	4	8.0	11.5	107	12	7	8.0	15.0	90	8	8	7.0	14.5	61	9	6	5.0	7.5	55	7	6	4.0	7.0	39	15	7	2.0	3.5	25	2	1	1.0	2.5
21	157	6	2	11.5	18.5	130	10	2	8.0	13.0	107	11	5	7.5	14.5	92	6	8	7.0	13.0	63	6	9	4.0	7.5	53	8	4	4.0	6.5	38	17	6	3.0	4.5	25	2	1	1.0	2.0
22	157	4	2	12.0	18.5	131	8	3	8.0	13.0	109	8	9	8.0	13.5	91	9	6	7.5	13.0	61	10	9	5.0	8.0	53	8	4	4.0	7.0	38	20	6	2.0	4.0	25	0	2	0.5	2.0
23	157	4	0	12.5	18.5	131	5	4	9.0	13.5	109	5	8	8.5	15.0	92	7	6	8.5	15.0	63	9	10	5.0	7.5	53	10	3	4.0	7.5	40	20	8	2.0	4.5	25	0	2	1.0	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	4	4	11.0	17.0	132	6	4	3.0	6.0	104	7	6	9.5	16.0	86	8	8	8.5	14.0	56	9	7	3.5	6.0	51	7	7	3.0	6.0	40	12	10	1.5	3.5	25	0	2	1.0	2.5
01	154	5	3	10.5	17.0	134	3	5	3.5	7.0	104	6	6	9.0	16.0	86	7	6	8.0	15.0	53	12	4	4.0	6.5	52	6	6	3.5	6.5	38	12	8	2.5	5.0	25	0	2	1.5	2.5
02	155	4	4	11.5	18.5	134	2	6	3.5	7.0	102	8	6	10.0	17.0	84	11	6	9.5	17.5	55	6	8	4.0	7.0	52	6	6	3.5	6.5	38	13	8	1.5	4.0	25	0	2	1.5	2.5
03	155	3	4	12.0	18.5	134	2	6	3.5	7.0	100	10	4	10.0	18.5	82	11	8	10.0	16.5	55	6	8	4.0	6.5	51	5	9	4.0	7.0	33	17	3	1.5	3.0	25	0	2	1.0	2.5
04	155	2	4	11.5	18.5	134	4	6	3.0	6.5	102	8	8	11.0	19.0	78	12	8	9.5	16.5	54	7	7	4.0	6.0	51	5	7	4.0	7.0	34	12	4	2.0	3.0	25	0	2	1.0	2.5
05	153	4	4	12.0	19.0	133	4	11	3.0	6.0	93	11	5	11.0	18.0	72	14	8	9.5	16.0	53	8	12	4.0	6.0	48	8	8	3.0	5.5	34	10	4	2.5	4.0	25	0	2	1.0	2.5
06	153	4	4	12.5	19.0	132	4	14	3.0	6.0	87	11	7	10.0	17.0	62	5	5	6.0	9.5	47	8	12	2.5	5.5	46	2	6	3.0	5.5	36	8	6	2.5	5.0	25	2	2	1.0	2.5
07	153	2	4	12.0	19.0	128	2	10	3.0	6.5	75	11	7	8.5	13.5	64	4	4	3.0	5.0	43	6	12	4.0	6.5	42	6	8	3.0	5.5	36	8	2	2.0	4.0	25	2	0	1.5	3.0
08	149	4	2	12.5	18.0	122	6	12	3.5	6.5	74	10	10	6.5	10.0	64	4	4	2.5	4.5	27	6	6	2.0	3.5	32	8	6	2.5	4.5	36	3	8	2.5	4.5	27	2	4	1.0	2.5
09	149	4	4	11.5	18.0	120	4	10	5.0	9.0	76	8	12	3.5	6.0	64	2	2	2.0	3.0	24	6	5	1.5	3.5	28	4	6	2.0	3.5	34	2	4	1.5	3.0	27	2	2	1.0	2.5
10	149	4	2	10.5	16.0	120	2	4	3.5	7.0	76	10	12	3.5	5.0	64	2	4	2.0	3.5	21	4	2	1.0	2.5	26	4	8	1.5	3.0	32	2	4	2.0	3.5	27	4	2	1.0	2.5
11	149	5	2	9.0	15.0	120	6	12	3.0	7.0	74	12	10	5.5	8.0	64	4	2	2.0	4.0	21	4	2	1.5	2.5	24	4	6	1.5	3.0	32	2	4	1.5	3.0	29	2	4	2.0	4.0
12	149	7	2	10.0	16.0	121	5	11	4.5	7.5	76	21	10	7.5	10.0	64	4	2	2.0	4.0	21	6	2	1.5	2.5	23	5	5	2.0	3.0	32	2	2	2.0	3.5	29	2	2	1.5	3.0
13	150	3	3	10.0	16.0	122	2	10	4.0	7.5	74	16	12	8.0	11.5	64	4	2	2.0	4.0	21	6	2	2.0	3.5	24	4	8	1.0	2.0	32	6	2	2.0	4.0	29	2	2	1.0	2.5
14	149	6	2	10.5	16.5	121	3	9	4.0	7.5	76	10	12	9.0	14.0	64	4	2	3.0	5.0	23	11	4	2.5	4.0	26	7	6	2.0	3.0	37	7	5	2.5	4.5	29	2	2	1.5	3.5
15	149	6	4	12.0	18.0	120	4	10	4.0	8.0	79	13	12	8.5	14.5	64	10	2	3.0	5.0	27	18	8	2.0	3.0	32	9	9	1.5	3.0	40	8	4	3.0	5.0	27	2	2	1.5	3.0
16	149	6	4	11.5	18.0	122	5	8	4.0	8.0	84	19	6	7.5	15.0	64	14	8	6.0	11.0	35	11	6	1.5	3.0	40	6	4	2.5	5.0	41	7	5	2.5	4.5	25	0	0	1.0	2.0
17	151	6	3	11.0	18.0	124	4	4	3.5	7.0	92	14	8	9.5	17.0	74	14	10	7.0	13.5	47	10	10	4.0	6.0	44	8	4	2.5	4.5	40	8	4	3.5	5.5	25	0	0	1.0	2.0
18	153	4	4	12.0	18.0	128	3	5	4.0	8.0	94	13	7	8.0	15.0	78	14	7	6.0	11.0	51	14	8	3.5	6.5	46	9	4	2.5	5.0	35	11	5	1.0	2.0	25	0	2	1.0	2.0
19	153	6	4	12.0	19.0	132	3	8	3.0	7.0	99	10	8	8.5	15.0	82	10	10	8.0	13.0	53	13	7	4.5	6.5	48	6	6	2.5	5.0	34	13	4	2.0	4.0	25	0	2	1.0	2.5
20	153	6	4	12.0	19.0	132	5	5	3.0	7.0	100	6	7	8.5	15.0	84	10	6	8.5	13.0	55	6	9	4.5	7.5	50	4	7	2.5	5.5	33	8	3	2.0	3.0	25	0	2	1.0	2.0
21	153	6	4	12.5	19.0	132	6	5	3.0	7.0	102	7	6	9.0	15.5	84	9	5	6.5	12.0	54	7	7	4.5	7.5	48	8	4	4.0	6.5	33	12	3	2.0	3.5	25	0	2	1.5	2.5
22	153	6	4	12.0	19.0	132	7	4	3.0	7.0	104	10	8	8.0	15.0	84	8	4	7.0	13.0	55	10	8	3.5	6.0	50	9	8	3.5	6.0	36	10	6	1.5	3.5	25	0	2	1.0	2.5
23	153	6	2	11.0	17.0	132	5	4	3.0	7.0	104	7	7	9.0	16.0	84	9	4	7.5	13.0	55	8	8	4.5	6.5	52	6	8	4.0	7.0	40	10	8	1.5	3.5	25	0	2	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month September 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	164	6	6	9.5	16.0	*140			*8.5	*14.0	117	11	7	*11.5	*18.0	101	8	12	*6.0	*11.5	72	8	7	*4.5	*9.5	59	6	11	*4.5	*9.5	43	12	6	3.5	6.5	25	2	2	1.5	4.0
01	164	6	6	*11.0	*17.0	*139			*8.5	*14.0	116	11	6	9.0	15.0	101	10	14	*6.5	*12.5	72	4	8	*4.0	*9.5	59	6	10	6.0	10.0	43	9	9	*3.5	*6.5	25	2	2	2.0	4.0
02	163	5	7	*10.5	*18.5	*138			*8.5	*14.0	116	10	6	10.5	16.5	99	8	11	*6.0	*11.0	72	4	10	5.0	10.0	59	6	10	6.0	10.5	41	11	9	*3.5	*6.0	25	2	2	2.0	4.0
03	162	10	7	*10.5	*17.0	*141			*10.0	*16.0	116	10	8	*10.0	*16.0	100	7	12	*8.0	*12.5	72	6	10	6.0	10.0	59	6	10	*6.0	*10.0	41	15	10	*3.5	*5.0	25	4	2	1.5	2.0
04	162	5	7	*11.0	*17.5	137	8	8	9.5	15.0	115	9	13	*10.0	*15.5	97	8	13	*8.0	*15.0	71	5	8	6.0	10.0	57	7	10	*6.5	*11.0	43	13	11	*3.0	*5.0	25	4	2	3.0	4.0
05	161	9	7	*11.0	*17.0	133	10	11	8.5	13.0	110	8	20	*13.0	*20.0	79	14	14	*7.5	*15.0	68	7	9	*7.0	*11.5	53	8	7	*6.0	*11.5	49	12	10	*4.0	*3.5	25	2	2	3.0	4.5
06	160	6	6	*11.0	*19.0	*130			*10.0	*15.0	108	13	8	*10.5	*17.0	78	18	15	*11.0	*20.0	60	8	13	*5.0	*10.5	49	9	7	*5.0	*11.0	47	6	11	*4.0	*7.0	25	4	2	2.5	3.5
07	160	6	6	11.5	18.0	*126			*9.5	*14.5	108	12	8	*13.0	*21.0	77	17	12	*9.5	*15.0	58	9	13	6.0	11.0	48	7	11	*5.5	*10.0	43	6	10	*5.0	*8.5	25	6	2	2.5	3.0
08	*160			*13.5	*18.0	123	12	8	*7.5	*12.5	104	8	24	*13.5	*19.5	77	16	11	*6.0	*12.0	51	16	9	*5.0	*11.0	43	6	5	*4.0	*6.0	39	7	6	*6.0	*8.5	25	3	2	2.0	3.0
09	156	8	2	*12.0	*19.0	*120			*10.5	*14.0	89	23	9	*8.5	*15.0	74	18	9	*4.5	*10.0	56	10	13	*5.0	*10.0	42	7	5	*4.0	*6.0	39	6	8	*4.5	*6.5	25	2	2	2.0	3.5
10	158	4	4	*11.0	*20.0	123	8	4	*11.0	*15.0	99	10	20	*10.0	*15.0	77	10	12	*9.5	*16.0	58	8	10	*4.5	*10.0	39	8	4	*2.0	*5.5	35	6	4	*4.0	*8.0	27	5	4		
11	161	7	5	*11.5	*18.0	*127			*10.0	*15.0	106	15	26	*13.0	*19.0	77	20	14	*11.5	*16.5	47	9	10	*5.5	*12.0	41	5	7	*2.0	*5.0	37	7	7	*5.0	*9.0	27	5	2	5.5	8.0
12	164	5	10	11.0	17.5	*133			10.5	15.0	114	12	32	11.5	19.5	87	18	22	*11.5	*18.0	58	9	12	*4.5	*9.0	43	10	7	3.0	5.5	39	9	8	*5.5	*8.0	27	8	2	5.0	7.5
13	166	4	8	*8.0	*15.0	139	7	14	10.0	16.5	115	14	32	13.5	19.0	99	8	31	*10.5	*18.0	62	5	14	*4.0	*10.0	45	9	9	*4.5	*7.0	41	9	10	*4.5	*8.0	29	4	5	5.5	10.0
14	168	5	10	7.5	13.0	141	8	18	8.0	14.0	120	12	34	*9.0	*15.0	99	14	33	8.5	15.0	64	8	14	*4.5	*11.0	47	12	9	*4.0	*6.5	44	10	7	*5.0	*6.5	29	5	2	5.5	8.5
15	170	4	13	*9.5	*15.0	141	8	17	*10.5	*16.5	120	11	27	*8.0	*15.0	101	10	35	*10.0	*17.5	62	14	13	*5.0	*11.5	52	11	13	*5.0	*7.5	50	11	9	*4.5	*9.0	31	6	4	4.0	6.0
16	170	3	14	9.0	15.0	141	8	16	10.0	15.0	120	12	36	*11.0	*17.0	99	14	32	*8.0	*13.5	62	14	14	*6.0	*11.0	55	13	13	*5.0	*10.0	55	8	5	2.5	6.0	29	14	2	4.0	6.5
17	170	2	15	*8.5	*14.5	141	6	17	*9.5	*15.0	121	9	27	*10.5	*16.0	95	12	24	*7.0	*14.0	65	9	8	*5.5	*11.5	59	7	18	*3.0	*7.5	57	10	8	*3.5	*6.5	29	8	2	5.0	7.5
18	170	2	12	*10.5	*17.5	142	9	13	9.0	16.0	121	11	21	*11.0	*17.0	99	16	20	*8.5	*14.0	68	11	9	*3.5	*7.5	63	5	10	*4.5	*7.5	57	13	6	*6.5	*9.5	27	5	2	7.5	11.0
19	168	6	10	*10.5	*17.5	141	11	17	*9.5	*14.0	121	12	15	*9.5	*17.0	101	16	14	6.0	12.0	72	10	6	4.5	8.5	67	4	16	*4.5	*9.5	56	10	9	*3.0	*8.0	27	9	3	5.5	9.0
20	166	8	8	11.0	17.5	141	11	11	*13.0	*20.0	120	12	16	*9.0	*16.0	101	12	16	*6.5	*11.5	76	4	10	5.0	9.0	64	5	12	5.0	9.5	53	12	14	*3.0	*7.5	27	8	2	3.0	5.0
21	166	5	11	*10.0	*17.5	140	9	13	9.5	16.5	120	12	16	*10.0	*17.0	101	10	16	7.0	11.5	74	6	8	4.5	10.0	63	4	12	*4.5	*8.5	49	8	11	*3.5	*6.0	27	6	2	1.0	3.0
22	166	5	8	10.0	17.0	139	10	13	9.0	16.0	120	10	16	10.0	16.5	99	10	14	*6.0	*10.5	72	6	6	5.0	10.0	62	3	13	*5.0	*10.0	44	13	5	3.5	6.0	27	6	0	6.0	8.0
23	164	6	7	*11.0	*17.0	137	10	8	*10.0	*14.0	118	10	9	*10.0	*15.0	101	8	16	*6.0	*10.0	72	6	6	*3.5	*9.5	61	2	14	5.5	10.0	43	7	9	*4.0	*6.0	27	4	0	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	160	5	3	13.5	20.0	137	7	6	*11.0	*16.5	113	8	6	11.0	17.5	96	5	11	9.5	17.5	61	10	6	*5.0	*9.0	54	5	8	6.0	10.0	42	9	10	*6.0	*8.5	22	4	0	1.5	3.0
01	160	5	2	14.0	21.0	137	7	7	11.0	17.5	111	8	5	9.5	17.0	93	8	7	10.0	15.0	61	6	6	6.0	10.0	54	5	7	*5.0	*8.5	38	13	8	5.0	7.5	22	6	0	1.5	3.5
02	160	4	2	*13.5	*20.5	135	9	5	11.0	17.5	110	7	3	11.0	18.5	94	7	10	*8.0	*16.5	63	6	10	6.0	9.5	53	4	8	5.5	10.0	35	12	4	4.0	6.0	22	4	2	3.0	4.5
03	160	5	4	14.0	21.5	135	10	6	11.5	16.5	110	7	7	*11.0	*18.5	92	7	9	*8.5	*16.5	59	10	8	6.0	10.0	53	4	8	*6.0	*10.5	34	16	5	*4.0	*8.0	22	5	2	2.0	3.5
04	160	5	4	14.5	21.5	134	9	7	12.0	17.0	109	11	11	14.5	20.0	91	7	11	*9.0	*18.0	57	10	8	*5.5	*10.0	51	9	8	*6.0	*10.5	36	10	6	*4.5	*7.0	22	4	2	2.0	3.5
05	158	5	4	14.5	21.0	132	7	8	*13.0	*17.5	99	16	12	*13.5	*21.5	72	17	5	*11.0	*19.0	45	9	7	*7.0	*10.5	49	6	8	5.5	10.0	36	6	4	*5.5	*8.0	22	4	0	*2.0	*3.5
06	156	6	2	15.0	21.5	129	10	10	*12.0	*16.5	90	10	7	*14.0	*21.0	67	11	5	*7.5	*11.0	49	6	8	*5.0	*7.5	43	8	6	5.0	8.5	36	6	2	*5.0	*7.0	24	4	2	2.5	5.0
07	156	4	4	14.0	20.0	124	8	10	12.5	17.0	89	20	9	*14.5	*23.0	66	8	4	*5.5	*8.0	45	4	6	*2.0	*4.5	37	11	5	*5.5	*7.5	36	8	4	*5.5	*7.5	24	4	2	*2.0	*3.5
08	156	3	4	*14.0	*20.5	122	12	8	*14.0	*18.0	85	21	4	*14.5	*16.0	66	9	3	*7.5	*11.0	41	6	3	3.5	5.5	37	6	8	*4.0	*7.0	34	4	4	*5.5	*8.0	24	5	2	*4.5	*6.5
09	156	4	4	*13.5	*20.0	*118			*11.0	*16.0	85	20	4	*9.0	*11.5	66	15	4	*4.0	*6.0	45	4	5	*3.0	*5.0	37	6	8	*4.0	*5.0	32	4	3	*3.0	*5.5	24	8	1	*4.0	*7.0
10	156	6	4	*13.5	*18.5	*123			*11.0	*16.0	87	24	6	*11.0	*14.0	64	15	2	*4.0	*6.5	45	4	6	*3.0	*4.5	35	6	6	*4.5	*5.0	32	5	4	4.0	7.5	26	7	2	*4.0	*7.0
11	158	4	4	*14.0	*18.5	*125			12.5	18.0	91	19	10	*10.0	*13.0	66	10	2	4.0	7.0	45	4	5	*5.5	*7.5	37	5	7	*4.0	*6.5	34	5	5	*6.5	*10.0	26	10	2	*5.0	*9.0
12	158	4	2	13.0	18.0	127	11	10	12.0	18.0	93	16	12	11.0	16.0	66	4	4	5.0	7.5	45	4	4	*4.0	*6.0	37	8	8	*4.5	*7.5	36	6	4	*6.5	*9.5	28	6	4	*5.0	*7.5
13	159	6	3	12.0	18.0	126	14	7	11.5	16.0	94	21	10	12.0	20.0	66	24	4	6.0	8.5	47	4	6	3.0	5.5	39	4	8	*3.5	*6.0	38	5	4	*6.0	*9.5	29	7	3	*3.0	*6.0
14	160	6	4	13.0	18.0	132	7	11	10.5	18.0	97	20	15	12.0	18.0	68	22	4	5.5	8.0	47	3	6	*2.0	*4.5	41	4	8	*5.5	*8.5	40	8	4	*5.0	*7.5	28	10	3	*4.5	*7.5
15	160	6	4	13.0	19.0	131	8	11	11.5	17.0	99	20	20	*12.5	*19.0	69	24	7	6.0	11.0	47	3	6	*4.0	*7.0	41	6	6	*8.0	*10.0	42	8	4	*5.0	*7.0	28	6	2	*4.0	*6.0
16	160	6	6	13.5	19.5	133	11	12	*12.0	*17.5	104	18	21	*10.5	*15.0	72	22	6	7.0	9.0	49	6	6	*4.5	*7.0	45	8	6	*7.0	*9.5	46	6	6	*5.5	*8.5	26	4	2	*3.5	*5.5
17	160	6	6	13.0	19.0	133	10	9	*9.5	*16.0	108	11	13	8.5	14.0	88	10	12	6.0	11.0	51	13	4	6.0	9.5	52	7	6	5.5	9.0	46	9	2	*4.0	*7.5	24	4	2	2.5	4.5
18	161	7	7	13.0	19.0	135	11	10	9.5	16.0	110	13	9	10.0	16.0	92	8	10	7.0	12.0	60	9	9	7.5	11.0	55	8	9	*5.0	*9.0	44	6	8	*4.0	*8.0	24	2	2	3.0	4.5
19	162	6	6	14.0	21.0	134	12	6	9.5	16.0	109	14	6	9.5	15.0	93	7	7	7.5	13.5	60	11	7	6.0	11.5	53	10	9	5.0	10.0	42	17	8	4.5	7.0	24	2	2	*2.0	*4.0
20	162	5	5	14.0	20.0	133	12	4	9.5	15.5	110	11	7	8.0	14.0	95	5	9	7.5	13.0	61	10	11	6.5	10.0	53	7	5	6.0	11.0	42	14	10	*3.0	*5.0	24	2	2	*3.0	*4.5
21	162	4	6	14.0	20.0	135	10	5	9.5	17.0	111	8	6	10.5	17.0	94	6	8	8.5	15.0	61	10	8	6.0	9.0	53	4	4	6.0	11.0	42	10	8	*4.5	*9.0	24	2	2	*2.0	*4.5
22	162	3	5	13.0	20.0	137	6	6	10.0	16.5	111	10	6	10.5	17.0	96	4	12	8.0	15.0	60	11	5	5.5	9.0	53	7	6	*5.5	*11.0	40	14	4	4.0	7.0	24	2	2	3.0	5.0
23	160	5	2	14.0	20.0	137	6	6	10.0	15.5	112	7	5	11.0	18.5	96	4	10	8.5	15.5	61	10	6	*5.0	*9.0	55	4	9	6.0	11.0	42	20	6	5.0	7.0	24	2	2	*3.5	*5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	156	4	4	12.0	19.0	135	4	4	5.5	9.5	109	8	10	*10.0	*18.0	89	10	8	*9.0	*15.0	54	9	8	4.0	7.0	53	6	10	*2.5	*8.5	39	12	10	3.5	6.0	25	2	1	2.0	4.0
01	154	6	6	*11.0	*17.0	135	3	3	4.5	7.0	107	10	8	*8.5	*15.0	89	10	8	7.0	13.5	54	10	8	4.5	9.0	53	8	8	5.0	9.5	37	13	6	4.0	7.0	25	2	2	1.5	4.0
02	156	4	4	11.5	17.5	135	2	2	5.5	7.5	107	11	9	10.0	16.0	87	10	8	8.5	15.0	54	8	9	6.0	9.0	54	5	9	4.0	8.5	37	14	8	3.0	5.5	25	2	1	2.5	4.0
03	154	4	4	12.0	19.0	135	3	3	6.0	9.0	105	10	6	*10.0	*17.5	85	12	10	*11.0	*18.0	52	9	7	6.0	11.0	54	5	9	4.5	8.5	36	10	5	3.0	6.0	25	2	2	*2.0	*4.0
04	154	4	4	*13.0	*19.0	135	2	6	6.0	9.5	102	11	9	11.0	16.5	83	12	10	*5.0	*9.0	52	9	8	7.5	11.0	52	7	5	6.0	11.0	33	10	2	4.0	7.0	25	2	2	2.0	4.5
05	152	4	2	14.0	19.5	132	5	11	4.0	8.0	95	13	8	*14.0	*21.0	75	12	10	9.5	13.5	51	11	6	8.5	10.0	49	10	5	6.0	10.0	35	12	4	3.5	8.0	25	2	1	2.0	4.5
06	152	2	4	*13.0	*19.0	129	6	8	5.0	9.0	85	13	5	*2.5	*5.0	67	4	4	*3.0	*4.5	47	11	6	*6.5	*10.0	47	6	5	*4.0	*8.0	39	7	6	*3.5	*5.5	26	2	1	2.0	4.0
07	152	4	2	*14.0	*20.0	127	0	0	3.0	6.0	83	11	5	*7.0	*10.0	63	7	2	*1.5	*4.0	44	4	4	*8.0	*12.0	45	4	8	4.0	8.0	37	6	3	3.5	7.0	27	4	0	*2.0	*5.0
08	150	4	4	*11.0	*18.5	123	0	0	3.0	7.0	81	14	3	*3.5	*6.0	64	3	3	*3.0	*5.0	42	4	6	*2.5	*5.0	39	2	6	3.0	5.0	37	4	4	*3.5	*7.0	27	2	2	*2.0	*5.0
09	150	5	4	*12.0	*16.0	121	0	0	4.5	7.5	81	16	3	*3.0	*5.0	65	2	2	*3.0	*4.5	43	3	9	*3.0	*5.5	37	2	6	*3.0	*5.0	35	4	4	*6.0	*10.5	27	4	2	2.5	4.5
10	152	3	6	*9.5	*11.0	122	0	0	2.5	6.0	81	14	2			65	2	4	*2.0	*3.0	44	4	7	*3.0	*5.0	37	4	6	*2.5	*5.0	33	4	4			29	4	2	*3.5	*6.5
11	150	5	2	*11.0	*16.0	123	0	0	3.0	6.5	81	10	4	*2.5	*5.0	67	2	4	*2.0	*4.0	44	2	8	*3.0	*5.0	37	2	6	*2.0	*5.0	33	4	4	*3.5	*6.0	29	2	2	*2.5	*5.0
12	150	6	2	*11.0	*16.5	119	8	8	4.0	8.0	81	10	2	*3.5	*5.0	67	2	5	*1.5	*3.0	44	2	5	3.0	5.0	37	3	6	3.0	5.5	33	4	2	5.0	7.5	31	2	3	2.0	4.5
13	152	4	2	*10.0	*16.0	123	4	10	3.5	7.0	81	10	2	*3.0	*5.0	65	4	4	*2.5	*4.0	44	3	7	3.5	6.0	37	6	6	2.5	5.0	35	5	4	6.0	9.5	29	6	2	3.0	5.0
14	152	2	4	*11.0	*17.0	117	10	4	4.0	8.0	83	8	4	*3.0	*5.0	66	5	5	*2.0	*4.0	44	3	6	4.0	7.0	39	7	6	2.5	5.0	37	6	4	6.0	10.0	29	6	2	2.0	5.0
15	150	6	4	*11.5	*18.0	119	12	6	5.0	9.0	83	12	4	*3.5	*6.0	67	4	4	*3.0	*4.0	44	2	3	2.5	6.0	39	7	5	4.0	7.0	39	6	2	5.0	9.0	27	2	2	3.0	5.5
16	150	6	6	11.5	17.5	124	0	0	4.0	8.0	90	17	5	6.0	10.0	71	13	6	3.0	5.0	46	5	6	4.0	7.0	45	4	5	4.0	8.0	41	7	3	5.5	9.5	27	0	2	1.5	4.0
17	151	9	3	*11.0	*17.5	127	10	4	3.5	8.0	98	15	7	*7.5	*12.0	81	14	12	*6.0	*10.0	52	10	9	6.0	10.5	49	4	6	*5.0	*8.0	43	4	8	*5.0	*10.0	25	2	0	2.0	4.0
18	154	6	7	*13.0	*20.0	131	6	8	4.0	6.5	101	17	8	*9.0	*13.5	83	16	10	*6.5	*11.0	54	11	8	7.5	12.0	49	6	4	4.5	9.0	37	11	6	*3.5	*6.5	25	4	0	1.5	4.0
19	154	4	4	*12.5	*19.0	133	6	5	4.5	8.0	101	16	6	*8.5	*14.5	82	15	8	*10.0	*15.5	54	10	7	6.0	10.0	51	4	6	5.5	10.0	37	12	6	*2.5	*5.0	25	2	0	2.0	5.0
20	153	7	3	13.5	20.0	134	7	5	6.0	10.0	104	13	9	*9.0	*17.0	87	10	6	8.5	13.5	52	13	5	6.5	10.5	51	6	4	4.0	7.5	35	8	4	3.0	6.0	25	2	0	2.0	4.0
21	152	8	2	*14.0	*20.0	131	10	2	6.5	11.5	105	12	6	*8.0	*14.0	87	8	6	8.5	14.5	54	9	6	6.5	10.0	53	10	6	*4.5	*9.0	37	9	5	3.0	6.0	25	2	0	2.0	4.0
22	154	8	4	11.0	17.5	133	6	4	6.0	9.0	107	10	6	10.0	16.0	87	10	4	8.5	16.0	54	10	6	4.0	9.0	53	6	6	5.5	10.0	37	6	4	3.0	6.0	25	3	2	2.0	4.0
23	153	7	1	*11.5	*18.0	135	6	6	5.5	10.5	109	8	6	*10.0	*15.5	88	9	5	7.5	12.5	54	11	7	5.5	10.0	53	6	8	*4.0	*9.0	39	10	7	3.0	7.0	25	2	0	*2.5	*4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month September 19 63

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	103					87					71					55	8	6			37	10	12			36	10	11			32	7	4			24	2	2		
01	103					87					69					*54					39	11	12			34	9	10			30	6	4			22	4	2		
02	102					87					69					*55					*41					32	17	9			32	9	6			22	4	0		
03	103					87					69					*54					*43					32	16	8			32	8	9			22	4	2		
04	104					85					69					*56					41	10	11			31	16	11			29	10	7			21	5	3		
05	102					87					69					55	4	4			39	18	12			30	15	7			28	9	6			22	5	6		
06	102					85					71					*53					40	12	15			29	17	9			28	10	7			21	5	5		
07	102					85					69					53	6	4			39	14	12			30	20	8			29	11	9			21	5	5		
08	100					85					69					53	4	4			*37					28	24	7			28	10	12			20	4	2		
09	102					85					70					*53					35	14	10			32	18	12			28	12	8			22	6	4		
10	102					85					71					53	10	4			*33					30	17	8			28	8	8			22	3	5		
11	102					85					69					55	6	6			37	15	12			30	18	10			30	10	11			22	4	2		
12	102					85					69					51	8	2			37	11	12			34	12	15			30	11	6			22	4	2		
13	102					85					69					54	7	5			35	15	10			32	16	7			32	7	4			22	3	3		
14	102					83					69					53	8	6			33	20	8			32	10	11			32	6	8			22	2	2		
15	100					87					70					57	6	4			35	10	10			34	9	8			34	8	6			22	2	2		
16	102					87					69					55	6	2			37	13	14			35	5	13			36	8	7			22	2	3		
17	105					87					70					*55					38	12	13			34	6	10			34	7	10			22	4	2		
18	102					85					69					*53					37	15	10			39	7	14			34	9	6			22	6	2		
19	102					85					69					*53					*39					37	10	6			34	5	6			22	6	2		
20	102					87					69					*53					37	14	10			37	11	8			34	8	10			22	5	4		
21	102					85					69					*55					*39					*43					32	9	4			24	3	4		
22	102					87					69					*53					38	13	13			39	9	13			32	9	4			24	5	2		
23	102					87					69					*54					*38					35	9	11			34	4	8			24	1	5		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Month October 19 63

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	121					108					92					71					47	10	14			30	8	12			27	8	10			27	4	4		
01	121					108					92					68					45	9	15			30	10	9			29	14	8			26	26	3		
02	113					103					89					71					46	11	15			29	14	7			27	10	10			27	11	4		
03	117					108					91					68					47	10	12			30	15	8			27	11	8			25	8	2		
04	121					106					91					67					*44					32	8	14			24	8	8			25	14	4		
05	121					107					92					67					49	5	19			30	11	10			23	11	10			25	8	4		
06	121					106					92					69					47	9	16			29	11	7			23	6	8			25	7	4		
07	121					106					92					68					47	11	14			30	9	9			23	5	4			25	6	2		
08	121					104					94					69					47	8	16			*26					23	4	3			25	6	2		
09	117					106					87					71					47	10	14			30	4	10			23	5	2			25	7	2		
10	121					102					86					71					47	9	17			28	8	6			23	7	9			27	16	5		
11	115					106					92					72					*37					*33					25	7	4			27	10	4		
12	109					106					95					73					41	10	18			*30					25	9	6			27	7	4		
13	115					106					92					72					45	12	23			28	11	8			26	6	5			27	4	4		
14	115					102					88					69					43	16	12			28	10	6			27	4	8			27	8	4		
15	115					105					94					68					*42					*33					27	6	8			25	8	3		
16	114					105					88					69					*40					*32					27	8	6			25	7	6		
17	109					102					84					67					43	10	14			30	8	7			27	8	8			25	6	4		
18	115					102					87					68					43	9	14			31	11	5			27	9	8			25	6	4		
19	116					105					91					67					43	15	10			30	10	9			*29					25	4	3		
20	117					102					89					73					41	17	14			34	8	12			27	9	7			25	5	4		
21	115					105					91					73					44	16	21			31	12	10			24	11	4			25	8	4		
22	116					108					90					71					*47					36	9	12			27	11	6			25	11	2		
23	121					105					90					73					*43					28	19	9			25	15	4			25	22	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month September 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	2	6.0	10.0	127	5	3	9.5	15.5	105	5	5	7.0	13.0	87	7	7	7.5	14.0	57	9	6	6.5	14.0	54	4	7	5.0	9.0	38	8	5	3.0	6.0	22	2	0	3.0	4.5
01	156	2	2	7.0	10.5	127	5	2	8.0	14.0	105	4	5	7.0	12.0	86	6	4	7.0	12.5	57	8	6	7.5	13.0	53	5	4	5.0	9.0	37	5	5	4.0	8.0	22	0	0		
02	156	2	2	6.5	11.5	129	2	4	7.0	12.0	105	4	4	6.0	11.0	86	4	6	5.0	9.5	57	8	6	5.0	10.5	52	5	4	4.5	9.0	35	5	6	*4.5	8.5	22	0	0		
03	154	4	0	7.0	12.0	129	2	3	6.5	11.0	103	5	4	6.0	11.0	84	4	4	5.0	11.0	57	6	6	6.0	10.5	52	5	5	4.5	8.5	38	5	4	*3.5	6.5	22	0	0		
04	155	3	2	7.5	13.0	127	4	1	7.5	11.5	102	4	3	7.0	12.0	82	7	3	5.5	10.5	55	6	4	*5.0	*10.0	50	7	1	4.5	8.5	37	6	2	*4.0	7.0	22	0	0		
05	154	3	2	8.0	13.0	126	4	3	7.0	12.5	99	4	5	6.5	11.5	77	7	4	6.0	11.0	54	3	5	*5.0	*9.5	50	5	3	5.0	8.5	41	10	2	*3.0	5.0	22	0	0		
06	154	4	2	8.0	13.5	121	4	5	7.0	12.5	83	10	9	*6.5	*11.0	50	23	8			49	6	4	*5.0	*9.0	48	4	6	*5.0	*9.0	53	16	6	*3.0	6.0	22	0	0		
07	152	2	4	7.5	14.0	115	4	4	7.0	12.5	67	14	6	*6.0	*10.0	44	24	2	*4.0	*6.5	29	7	4	*5.5	*10.5	34	6	4	5.0	9.5	49	11	9	3.0	6.0	22	2	0		
08	150	6	2	9.0	15.0	109	14	4	*9.0	*14.5	65	18	8	*8.0	*14.0	43	18	1	*4.0	*6.0	23	10	2	*6.0	*10.0	22	12	4	*5.5	*9.0	34	10	7	*3.0	*6.5	22	2	0	3.5	5.5
09	152	4	4	10.5	16.5	109	14	8	12.0	19.0	69	18	12	*8.0	*12.0	49	17	7	*10.0	*15.5	*24			*8.0	*12.0	22	10	6	*7.0	*8.5	27	6	2	*3.0	*5.0	22	2	0		
10	152	6	4	11.5	18.5	111	14	6	13.0	20.0	68	28	9	*6.5	*11.5	50	22	8	*6.0	*8.0	*22			*4.5	*7.5	22	6	8	*7.5	*15.0	27	4	4	*4.5	*6.5	22	2	2	2.5	5.0
11	152	4	4	12.0	19.0	111	14	6	13.5	22.0	71	20	10	*11.5	*17.0	46	27	4	*4.5	*6.0	*23			*6.0	*9.5	22	5	8	*3.5	*9.0	25	6	2	*4.0	*7.0	22	2	2	3.5	6.0
12	152	4	5	12.0	20.0	116	7	11	13.0	22.0	73	20	14	9.5	16.0	52	21	10	*2.5	*5.5	*23			*6.0	*9.0	20	12	6	*7.0	*11.5	27	6	4	*3.5	*6.0	22	3	0	3.0	5.0
13	152	3	6	12.5	20.0	117	6	8	13.0	20.0	74	28	10	*14.0	*20.0	*52			*18.0	*20.5	*23			*8.0	*12.0	23	11	9	*5.0	*9.0	29	8	5	*3.0	*5.5	22	4	1		
14	150	9	2	12.0	19.0	113	13	3	*12.0	*20.0	73	22	11	*7.5	*13.0	*46					*24					25	12	10	*8.0	*12.0	36	6	11	*4.0	*6.0	24	3	2		
15	152	2	2	*9.5	*17.0	117	3	8	*9.0	*15.0	76	14	12	*10.5	*16.0	44	15	2			*23			*5.5	*9.0	26	8	10	*8.0	*15.0	41	10	12	*4.0	*7.0	24	0	2	2.5	4.0
16	152	4	2	9.5	15.5	115	8	6	9.0	16.0	77	20	13	9.5	16.0	48	25	6	*11.5	*22.5	29	8	8	*7.0	*12.0	27	17	5	7.5	13.0	45	11	10	*5.0	*8.0	24	0	2	2.5	4.0
17	152	4	2	9.0	15.0	119	9	10	12.0	19.5	93	10	16	12.0	20.5	66	12	10	7.0	14.5	37	8	14	*8.5	*15.0	42	10	6	*7.0	*12.0	51	8	11	*5.0	*8.5	24	0	2	2.5	4.5
18	152	5	4	9.0	15.0	121	7	9	10.5	19.0	99	8	11	10.5	19.5	78	10	8	9.0	19.0	53	6	10	6.5	12.5	52	8	6	6.5	12.5	47	6	7	4.0	8.5	24	0	2	2.5	4.0
19	154	4	3	8.0	16.0	124	8	7	10.5	19.0	99	10	7	10.0	19.0	86	7	9	7.5	14.5	57	8	6	7.0	14.0	54	6	4	6.5	12.0	47	8	6	*4.5	*9.0	24	1	2		
20	154	6	2	9.0	15.0	125	8	4	9.5	17.5	102	9	7	8.0	15.0	86	9	6	7.0	14.5	58	11	6	7.5	15.0	54	7	6	6.0	12.0	45	8	4	*4.5	*8.0	24	0	2		
21	155	4	3	8.0	13.5	127	7	6	9.0	15.5	103	8	4	7.5	14.0	87	8	4	7.0	14.0	59	8	6	*6.0	*12.0	54	8	6	6.0	10.0	42	8	3	*2.5	*6.0	24	0	0		
22	154	5	2	8.0	13.0	127	5	4	10.0	17.0	105	7	4	8.0	14.5	88	6	6	7.0	14.0	59	5	6	*6.5	*12.5	54	6	6	6.0	12.0	41	6	5	*3.0	*6.0	24	0	1		
23	154	3	2	8.0	13.0	127	6	4	9.0	16.5	105	7	5	8.0	15.0	88	6	6	7.5	14.0	61	4	9	7.0	13.5	55	7	7	6.0	12.0	39	6	6	*3.0	*6.0	24	0	2	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month October 1963

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	154	4	2	6.5	10.5	125	7	4	10.5	16.5	103	6	6	9.0	16.5	84	11	4	8.0	15.5	58	7	6	8.5	13.5	54	8	5	*5.5	*10.0	39	4	2	4.0	7.0	21	3	0	3.5	5.0
01	156	2	2	6.0	11.0	127	5	4	9.0	15.5	103	5	4	8.0	15.0	84	7	4	7.5	13.5	58	9	7	8.5	13.5	54	10	4	*6.0	*9.0	39	4	2	*4.0	*6.0	21	2	0		
02	156	2	2	7.0	11.5	129	2	4	8.0	13.5	103	4	4	8.0	13.5	84	7	6	7.0	14.0	57	8	4	6.0	9.0	54	9	4	4.0	7.5	37	5	2	4.0	6.0	21	1	0		
03	156	2	2	7.0	12.0	129	3	4	9.5	15.0	101	7	5	7.5	14.0	84	8	7	7.0	12.5	58	7	6	*6.5	*10.0	54	10	4	4.5	8.0	35	9	3	*3.5	*6.0	21	0	0		
04	156	2	4	9.0	14.0	127	4	4	10.0	16.0	99	7	6	8.0	14.0	82	7	5	*8.5	*15.0	56	9	5	7.0	11.0	54	5	4	4.5	7.5	35	7	4	*3.0	*6.0	21	0	0		
05	156	2	4	9.5	15.5	125	6	4	9.0	15.5	93	13	7	*9.0	*15.5	64	12	8	*3.5	*6.0	56	6	4	6.5	11.5	52	5	2	4.5	8.0	33	8	2	3.5	6.0	21	1	0	2.5	4.0
06	154	2	4	10.0	16.0	117	8	4	8.5	14.5	75	18	9	*14.0	*23.5	44	26	4	*3.5	*5.0	44	9	9	9.0	15.5	44	5	5	*4.0	*8.0	37	6	4	4.0	6.5	21	2	0		
07	150	2	4	10.0	16.0	109	8	2	7.5	14.0	70	23	13	*17.0	*30.0	42	25	2	*6.0	*8.0	28	19	7	*9.0	*12.0	30	6	8	*11.5	*16.5	33	6	2	4.0	6.0	21	2	0	2.5	3.5
08	150	2	2	10.5	16.5	108	10	7	13.0	19.0	67	28	8	*5.0	*6.0	42	26	2	*3.5	*4.5	22	22	2	*6.0	*7.0	22	15	4	*8.0	*14.0	29	7	2	*5.0	*7.0	21	2	0	2.5	4.5
09	150	3	2	11.5	19.0	107	16	4	14.0	22.0	67	36	10	*8.0	*10.5	42	24	2	*4.0	*5.5	22	16	2	*4.5	*6.0	22	18	6	*12.0	*17.0	27	6	2	*4.0	*7.0	21	0	0		
10	150	4	2	12.0	19.0	109	18	6	16.0	23.0	63	40	6	*5.5	*8.0	42	23	2	*3.0	*5.0	22	16	2	*5.0	*7.0	24	10	6	*6.0	*9.5	25	8	0	*3.0	*5.0	21	2	0	2.5	4.5
11	149	7	3	13.5	19.5	111	18	5	15.0	24.0	66	32	7	*9.5	*13.0	41	24	1	*3.0	*4.0	24	16	4	*8.0	*13.5	20	9	6	*6.0	*9.0	25	8	2	*3.0	*5.0	21	2	0	2.5	4.0
12	150	7	4	13.5	20.5	113	18	8	14.0	22.5	70	30	11	9.5	13.0	44	22	4	*4.0	*5.5	22	14	2	*9.5	*15.0	19	13	5	*6.5	*11.5	25	10	2	4.0	6.0	21	2	0		
13	150	8	3	12.5	20.0	115	16	6	13.5	21.0	73	24	12	*9.0	*10.0	*42					22	16	2	*3.5	*5.0	22	10	6	*3.5	*7.0	28	11	3	*4.0	*7.0	*21			3.0	3.5
14	*150			*12.5	*20.0	*113			*12.5	*20.0	83	30	18	*11.0	*16.5	50	28	10	*11.0	*21.5	*20			*3.0	*5.0	*22			*3.5	*7.0	37	6	10	*5.5	*8.0	23	7	2		
15	153	9	5	10.5	18.5	116	15	8	10.0	19.0	89	21	25	*10.0	*17.0	50	31	10	6.5	10.5	24	30	4	*5.0	*7.0	28	17	10	*6.5	*11.0	37	11	8	*3.5	*6.5	23	2	1	3.5	5.5
16	154	5	5	10.0	17.0	117	14	11	10.0	16.5	89	21	29	11.0	17.0	52	26	12	4.5	12.0	26	25	6	*4.0	*7.0	34	17	10	6.0	11.0	41	11	6	4.0	8.0	23	4	0	3.0	5.0
17	153	4	5	8.0	14.0	116	15	11	9.0	15.5	86	21	18	11.0	17.5	56	24	10	*5.0	*8.0	39	17	15	*9.5	*16.0	43	13	7	5.5	10.5	43	7	4	5.0	8.5	23	2	0	2.5	4.5
18	152	6	4	10.0	16.0	116	16	7	11.0	18.0	94	16	13	11.5	20.5	77	16	13	*9.5	*16.0	52	12	13	5.5	13.0	50	1	7	4.5	9.5	43	6	4	5.0	9.0	23	4	0	3.0	5.0
19	154	4	4	10.5	17.0	121	11	6	12.0	20.0	99	12	11	10.5	18.0	85	13	13	9.5	17.0	58	14	10	5.5	12.0	55	7	8	6.0	12.0	43	10	4	4.0	7.5	23	4	0	2.5	4.5
20	154	5	3	10.0	15.5	123	14	6	12.0	19.0	101	10	11	9.0	16.5	86	12	10	9.0	17.0	62	9	10	6.0	12.5	54	8	6	6.0	12.0	43	5	4	4.5	8.0	23	1	0		
21	154	6	4	9.0	14.5	125	9	4	10.0	17.0	99	12	6	9.0	16.0	84	13	6	9.0	16.5	58	13	6	6.5	11.0	54	6	6	7.0	12.0	41	4	2	4.0	8.5	23	4	0	3.0	5.5
22	154	4	2	9.0	14.0	125	9	4	10.0	17.0	101	10	6	9.0	17.0	86	11	6	8.0	14.5	58	15	6	8.5	14.5	54	4	4	6.0	10.5	41	10	3	5.0	7.5	23	2	2		
23	154	4	2	8.0	12.5	126	8	4	12.0	19.0	101	10	4	10.0	18.0	85	10	5	9.0	17.0	58	11	6	*8.0	*13.0	52	9	3	6.0	9.5	39	3	2	4.0	7.0	23	1	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	4	4	9.0	13.5	133	3	4	9.5	16.0	109	6	8	8.0	14.0	92	4	12	7.0	13.5	64	5	9	7.0	12.0	57	5	6	6.0	10.5	42	4	2	4.5	7.5	22	0	2	*2.5	*3.5
01	158	2	2	8.0	13.0	133	4	4	9.5	15.5	109	6	7	7.5	14.0	90	6	9	7.0	14.0	64	7	9	7.5	13.0	57	4	4	*6.0	*9.0	42	6	2	5.0	8.5	20	2	0	*2.5	*4.0
02	158	2	2	8.5	14.0	133	2	4	9.5	15.0	106	6	6	8.0	15.0	90	4	12	7.5	14.0	62	6	7	*7.5	*13.5	57	6	3	4.5	8.5	42	3	4	4.0	7.0	20	2	0	*2.5	*4.0
03	158	2	4	8.5	14.0	133	2	4	9.0	15.0	106	7	8	8.0	15.0	86	6	11	*8.0	*15.5	62	7	7	7.0	12.0	57	5	3	4.0	7.5	40	2	5	4.5	7.0	20	2	0	*2.5	*3.5
04	157	2	2	10.0	16.0	131	5	7	9.5	16.0	103	6	10	*7.5	*13.0	80	11	10	*9.0	*16.0	61	8	7	8.5	14.0	57	5	6	*5.0	*9.0	38	4	4	3.5	6.0	20	2	0	*2.5	*4.0
05	158	2	5	10.0	16.0	125	3	7	9.5	16.0	90	13	7	11.5	19.5	56	21	12	5.0	7.5	57	8	8	7.0	11.5	54	5	4	*5.0	*9.0	40	2	4	3.5	7.0	20	2	0		
06	154	4	1	10.5	16.5	121	6	7	11.0	17.0	85	18	21	13.5	22.0	54	26	10	*7.0	*11.0	37	13	6	*8.5	*17.0	41	9	6	*6.0	*10.0	36	5	2	4.5	7.0	22	2	2		
07	154	4	4	11.0	17.5	117	10	5	12.0	19.0	81	22	17	*13.0	*22.0	50	20	8	*4.0	*7.0	33	11	7	*7.5	*10.5	31	13	8	*10.0	*14.5	32	7	5	5.0	8.0	22	1	2	*2.5	*4.0
08	154	4	2	13.0	20.0	117	9	7	14.0	21.5	83	16	12	13.0	23.0	54	18	12	3.5	5.0	26	10	4	*7.0	*12.5	25	15	6	*8.0	*13.0	28	8	2	*3.5	*5.5	22	0	2	*2.5	*4.0
09	154	2	2	13.0	20.5	119	5	8	13.0	21.5	83	14	13	*11.0	*18.5	55	14	13	*7.5	*11.5	*24			*6.5	*8.5	25	6	8	*7.0	*9.0	27	5	3	*6.0	*8.0	22	0	2	*2.5	*4.0
10	154	2	4	13.5	21.0	118	9	7	14.0	21.5	83	10	14	*15.0	*25.0	56	11	12	*7.5	*13.5	*24			*5.5	*9.0	23	6	8	*5.0	*10.0	26	4	4	*4.5	*7.0	22	0	2	*3.0	*4.0
11	154	2	4	13.5	22.0	119	8	6	13.5	21.0	85	15	15	*8.5	*15.5	56	12	14	*4.5	*6.5	*24					23	8	6	7.0	13.5	26	7	4	4.5	7.0	22	2	2	*3.5	*6.0
12	154	4	2	13.0	20.0	122	7	7	11.0	19.5	90	11	17	8.0	15.0	58	18	13	5.0	7.5	*26			*4.5	*6.5	23	4	8	*9.0	*15.5	26	9	4	5.0	8.0	22	3	2	*2.5	*4.5
13	156	2	4	11.0	18.0	127	4	8	9.0	15.5	95	18	20	*4.5	*9.5	*60			*4.0	*6.5	*26					26	9	9	*5.0	*7.0	30	8	6	*5.5	*9.0	24	4	2	*3.0	*4.5
14	*158			10.0	17.0	*129			7.5	12.5	*100			*10.0	*18.0	60	35	13	*3.5	*6.5	*22			*12.0	*20.0	*28			*10.0	*15.5	36	10	13	*5.5	*9.0	26	6	2	*3.5	*6.0
15	158	6	4	8.5	13.0	129	11	8	7.0	12.0	100	19	18	6.0	12.0	61	32	13	5.0	7.0	26	36	4	*6.0	*12.5	33	13	9	*6.5	*10.0	28	7	7	4.5	8.0	24	6	2	*3.0	*5.0
16	158	4	3	8.5	14.0	129	7	10	7.0	12.0	99	18	10	7.0	13.0	63	30	16	4.0	7.0	28	30	4	*7.5	*12.0	39	12	10	6.0	9.5	40	6	5	4.5	7.5	26	8	4	*3.5	*5.5
17	158	4	3	8.0	13.0	129	7	11	7.5	12.5	99	18	8	7.5	11.5	65	28	11	4.5	9.0	39	23	10	*6.0	*10.0	47	9	10	5.5	10.0	46	2	6	4.0	8.0	26	6	2	3.0	5.0
18	158	2	4	7.5	12.5	129	8	10	7.0	13.5	105	13	13	5.0	10.5	82	15	19	7.0	14.0	54	10	18	*6.5	*12.0	55	7	9	5.5	9.0	46	6	4	5.0	8.0	26	5	2	3.0	5.0
19	156	4	4	8.0	13.5	133	5	10	9.0	15.0	111	7	5	5.0	9.5	92	7	17	5.0	9.0	64	9	14	5.0	10.0	61	4	9	5.5	10.0	48	4	5	5.0	8.5	24	3	2	*3.5	*5.5
20	158	4	4	9.5	15.0	135	4	8	8.0	13.0	111	6	7	5.5	11.0	94	9	13	6.5	11.5	68	5	10	5.0	9.0	61	5	6	5.0	10.0	46	4	3	4.5	8.5	24	1	2	*3.0	*5.0
21	158	2	4	10.0	16.0	134	4	5	9.5	14.5	111	4	8	7.5	14.5	96	2	14	7.5	12.5	68	5	8	7.0	12.0	59	6	6	5.5	10.5	46	4	4	4.0	7.0	22	2	0	*2.5	*4.0
22	158	3	4	9.5	14.5	133	5	6	9.0	14.5	109	9	8	8.0	15.0	92	5	11	7.5	14.0	66	6	10	6.5	11.5	59	4	6	5.5	10.0	44	4	2	5.0	7.5	22	1	1	*2.5	*4.0
23	158	2	4	9.0	14.0	133	3	5	9.5	14.5	109	6	9	7.5	14.5	92	4	11	7.5	14.5	66	4	11	6.0	12.0	57	4	5	6.0	10.0	44	2	4	4.5	8.0	22	0	2	*2.5	*3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	157			11.0	17.5	127			9.0	15.5	109					98			5.5	10.0	76					68					39					33				
01	158			11.0	17.5	126			9.0	15.5	108			7.0	12.0	96			5.5	10.0	75					66					40					33				
02	157			11.0	17.0	125			8.0	13.0	106			8.0	15.0	95			5.5	10.0	74					67					38					34				
03	155					124			8.0	13.0	105			7.0	13.0	93			7.5	14.5	71					65					36					34				
04	155					123			10.0	16.0	104					86			7.0	12.5	71					65					35					30				
05	155			11.5	18.5	119			9.5	15.0	93			11.0	18.0	80			8.0	13.5	65					60					36					29				
06	152			12.0	18.0	116			14.0	20.5	88			15.5	21.0	72			6.0	10.0	55					51					42					31				
07	150			11.0	17.0	112			14.0	21.0	87			14.5	18.5	76			4.5	8.0	46					46					38					29				
08	152					110			14.0	22.0	83			16.0	22.5	75			4.0	8.0	39					43					34					30				
09	152			9.5	14.5	106			7.5	12.5	76			4.0	6.0	56					34					42					31					30				
10	152					108			12.0	18.0	91			18.0	21.0	75			16.0	18.5	41					37					33					30				
11	153			10.0	15.0	113			9.0	14.0	89			18.0	23.0	70			6.0	8.5	36					39					33					30				
12	153			9.0	13.5	115			13.0	20.5	89			15.0	19.0	72			5.0	7.5	35					28					32					31				
13	155			8.0	13.0	114			7.0	10.5	91			17.0	21.0	72			4.5	6.5	37					44					34					32				
14	156			6.5	10.5	112			6.5	9.5	90			16.5	20.5	72			3.0	4.5	35					42					35					33				
15	156			7.0	11.0	107			8.5	12.0	90			15.0	20.0	71			5.0	7.5	37					39					37					33				
16	154					109			13.0	18.0	89			14.0	19.0	71					45					46					41					34				
17	153			7.0	11.5	112			11.0	16.0	94			13.0	16.0	82			5.0	7.0	58					56					42					31				
18	153			7.5	12.0	115			7.0	11.5	94			11.0	16.0	85			3.0	5.5	70					60					43					31				
19	155			9.0	14.5	116			8.0	13.0	92			9.0	13.0	88			4.0	7.0	72					61					42					33				
20	156			8.5	13.5	117					91			6.0	9.5	90			4.0	7.0	70					65					47					33				
21	156			10.0	16.0	118			7.0	11.0	100			5.5	9.0	92			4.0	7.0	67					63					43					33				
22	156			9.5	16.0	120			7.0	11.0	106			7.5	12.0	96			4.0	6.5	69					63					43					33				
23	154					126			8.0	13.5	108			6.0	10.0	96			5.5	10.0	73					65					43					33				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	150					114					92			6.0	9.5	84			3.5	7.0	59					55					45					29				
01	140			8.5	14.0	118			8.0	13.0	96					88			3.5	7.5	59					55					45					29				
02	136					116			6.5	11.0	94					86			4.0	7.5	59					53					41					29				
03	148			11.0	17.0	120					96			5.0	10.5	84					59					53					39					29				
04	156					112					90			6.5	12.5	78			4.5	8.5	67					59					35					29				
05	142			10.0	16.5	114					91			7.5	13.5	74					53					53					39					31				
06	144			11.0	17.0	106			11.0	16.5	85			18.0	21.0	70			4.0	6.0	51					45					35					29				
07	140			12.0	17.0	108			14.0	21.0	87			19.5	25.0	68			4.0	7.0	37					35					33					29				
08	142			8.5	13.0	108					87					68			5.0	7.5	33					29					35					32				
09	136			9.0	13.0	98			16.5	22.5						66			4.5	6.5	31					28					29					29				
10	144					106			8.0	13.5	83					70			4.0	7.0	29					29					31					31				
11	144			8.5	12.5	111					82			20.0	28.0	72			5.0	9.5	31					27					29					31				
12	144			7.0	11.0	108			10.0	14.0	81			18.0	20.0	72			5.5	12.0	33					25					29					29				
13	150			7.0	12.0	104					82			18.0	22.0	70			5.0	10.0	31					27					31					30				
14	146			6.0	10.0	100					83					68			5.5	11.0	33					25					35					29				
15	136			6.5	10.5	94					72			8.5	13.5	72			5.5	12.0	30					27					39					31				
16	152			5.5	9.5	96			3.5	6.0	81			15.0	21.0	72			5.5	9.0	39					35					39					31				
17	144			5.5	9.5	96			5.0	7.0	68					74			4.0	9.0	51					43					41					33				
18	146			5.5	10.0	104			5.5	8.5	80					74					57					53					47					33				
19	146			6.5	11.0	114			5.5	9.5	86			5.5	8.5	80			3.0	5.5	61					59					45					33				
20	148			8.0	13.0	112			5.5	10.0	90			7.0	9.0	84			3.0	5.5	57					57					45					33				
21	150					114			8.0	12.0	94			4.5	8.0	84			6.0	10.0	59					59					43					33				
22	145			8.0	13.5	114					85					79					61					58					41					30				
23	150					116			6.0	11.0	90			5.5	9.0	78					61					59					41					31				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5 -52.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	150					118					96					83					60			4.5	8.0	55			4.0	7.0	43			2.0	4.0	27			2.0	3.0
01	150					119					98					85					59					62			6.5	9.5	36			4.0	5.5	29			3.5	4.5
02	150					120					99					85					59			5.0	7.5	52			6.5	9.0	38			2.0	3.5	27			2.0	3.0
03	151					119					96					82					57			3.0	6.0	51			3.5	6.5	36			3.0	4.5	27			0.5	1.5
04	152					119					95					79					57			5.0	8.0	54			6.5	10.0	43			2.0	3.0	30			1.5	3.5
05	152					120					94					78					61			4.5	8.0	53			4.0	7.0	35			5.5	7.0	30			6.0	9.5
06	152					114					91					74					54			5.0	9.0	51			3.5	6.5	38			4.0	5.5	27			2.0	3.5
07	145					111					90					73					42			6.5	10.5	39			5.5	8.5	38			3.0	5.0	28			2.0	3.5
08	143					108					91					73					40					32					33			3.5	5.0	29			2.0	4.0
09	142					110					90					68					37			9.0	11.0	30					31			3.5	5.0	28			1.5	3.0
10	144					102					64					68					31			8.0	12.0	29			10.0	13.5	29			3.5	5.0	28			2.0	3.5
11	148					100					90					66					36					27					30			2.0	4.0	28			1.5	3.0
12	147					98					78					67					34			8.5	11.5	28			9.0	12.0	31			4.0	5.0	29			2.0	3.5
13	146					94					68					68					35			8.0	11.0	29					31			2.0	3.0	31			2.0	3.5
14	148					106					90					70					35			7.5	11.0	31			6.0	9.0	37					33			2.0	4.0
15	148					108					84					70					33			9.5	13.5	35			4.0	6.5	41			4.0	5.0	31				
16	148					96					72					72					37			6.0	9.0	37					41			3.0	5.5	29			1.5	3.0
17	152					104					86					72					45			3.5	6.0	45			4.0	6.0	45			3.5	6.0	29			1.0	2.5
18	150					108					88					74					51			3.5	6.5	51			3.0	6.0	43			3.0	5.0	29			2.0	3.0
19	154					110					76					78					59			3.5	6.5	51			2.0	4.0	47			1.0	2.5	29			2.0	3.0
20	152					112					90					84					59			4.0	6.0	57			3.5	6.0	47			2.0	3.0	29			1.5	3.0
21	156					114					92					84					59			2.5	5.0	55			3.0	5.0	47			3.0	5.0	29			2.0	3.0
22	152					116					92					84					61			4.0	6.0	53			3.5	6.0	39			4.0	6.0	27			2.0	3.0
23	152					116					94					84					61			3.5	6.0	55			4.0	6.5	39			2.5	4.0	29			2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	150					114					92			6.0	9.5	84			3.5	7.0	59					55					45					29				
01	140			8.5	14.0	118			8.0	13.0	96					88			3.5	7.5	59					55					45					29				
02	136					116			6.5	11.0	94					86			4.0	7.5	59					53					41					29				
03	148			11.0	17.0	120					96			5.0	10.5	84					59					53					39					29				
04	156					112					90			6.5	12.5	78			4.5	8.5	67					59					35					29				
05	142			10.0	16.5	114					91			7.5	13.5	74					53					53					39					31				
06	144			11.0	17.0	106			11.0	16.5	85			18.0	21.0	70			4.0	6.0	51					45					35					29				
07	140			12.0	17.0	108			14.0	21.0	87			19.5	25.0	68			4.0	7.0	37					35					33					29				
08	142			8.5	13.0	108					87					68			5.0	7.5	33					29					35					32				
09	136			9.0	13.0	98			16.5	22.5						66			4.5	6.5	31					28					29					29				
10	144					106			8.0	13.5	83					70			4.0	7.0	29					29					31					31				
11	144			8.5	12.5	111					82			20.0	28.0	72			5.0	9.5	31					27					29					31				
12	144			7.0	11.0	108			10.0	14.0	81			18.0	20.0	72			5.5	12.0	33					25					29					29				
13	150			7.0	12.0	104					82			18.0	22.0	70			5.0	10.0	31					27					31					30				
14	146			6.0	10.0	100					83					68			5.5	11.0	33					25					35					29				
15	136			6.5	10.5	94					72			8.5	13.5	72			5.5	12.0	30					27					39					31				
16	152			5.5	9.5	96			3.5	6.0	81			15.0	21.0	72			5.5	9.0	39					35					39					31				
17	144			5.5	9.5	96			5.0	7.0	68					74			4.0	9.0	51					43					41					33				
18	146			5.5	10.0	104			5.5	8.5	80					74					57					53					47					33				
19	146			6.5	11.0	114			5.5	9.5	86			5.5	8.5	80			3.0	5.5	61					59					45					33				
20	148			8.0	13.0	112			5.5	10.0	90			7.0	9.0	84			3.0	5.5	57					57					45					33				
21	150					114			8.0	12.0	94			4.5	8.0	84			6.0	10.0	59					59					43					33				
22	145			8.0	13.5	114					85					79					61					58					41					30				
23	150					116			6.0	11.0	90			5.5	9.0	78					61					59					41					31				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin   Lat. 50-60 S Long. 37.5-52.5 W Month September 19 63

Frequency (Mc)

Hour (LST)	.013 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.051 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.160 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	.495 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	150					118					96					83				
01	150					119					98					85				
02	150					120					99					85				
03	151					119					96					82				
04	152					119					95					79				
05	152					120					94					78				
06	152					114					91					74				
07	145					111					90					73				
08	143					108					91					73				
09	142					110					90					68				
10	144					102					64					68				
11	148					100					90					66				
12	147					98					78					67				
13	146					94					68					68				
14	148					106					90					70				
15	148					108					84					70				
16	148					96					72					72				
17	152					104					86					72				
18	150					108					88					74				
19	154					110					76					78				
20	152					112					90					84				
21	156					114					92					84				
22	152					116					92					84				
23	152					116					94					84				

Hour (LST)	2.5 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	5 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	10 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	20 F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	60			4.5	8.0	55			4.0	7.0	43			2.0	4.0	27			2.0	3.0
01	59					62			6.5	9.5	36			4.0	5.5	29			3.5	4.5
02	59			5.0	7.5	52			6.5	9.0	38			2.0	3.5	27			2.0	3.0
03	57			3.0	6.0	51			3.5	6.5	36			3.0	4.5	27			0.5	1.5
04	57			5.0	8.0	54			6.5	10.0	43			2.0	3.0	30			1.5	3.5
05	61			4.5	8.0	53			4.0	7.0	35			5.5	7.0	30			6.0	9.5
06	54			5.0	9.0	51			3.5	6.5	38			4.0	5.5	27			2.0	3.5
07	42			6.5	10.5	39			5.5	8.5	38			3.0	5.0	28			2.0	3.5
08	40					32					33			3.5	5.0	29			2.0	4.0
09	37			9.0	11.0	30					31			3.5	5.0	28			1.5	3.0
10	31			8.0	12.0	29			10.0	13.5	29			3.5	5.0	28			2.0	3.5
11	36					27					30			2.0	4.0	28			1.5	3.0
12	34			8.5	11.5	28			9.0	12.0	31			4.0	5.0	29			2.0	3.5
13	35			8.0	11.0	29					31			2.0	3.0	31			2.0	3.5
14	35			7.5	11.0	31			6.0	9.0	37					33			2.0	4.0
15	33			9.5	13.5	35			4.0	6.5	41			4.0	5.0	31				
16	37			6.0	9.0	37					41			3.0	5.5	29			1.5	3.0
17	45			3.5	6.0	45			4.0	6.0	45			3.5	6.0	29			1.0	2.5
18	51			3.5	6.5	51			3.0	6.0	43			3.0	5.0	29			2.0	3.0
19	59			3.5	6.5	51			2.0	4.0	47			1.0	2.5	29			2.0	3.0
20	59			4.0	6.0	57			3.5	6.0	47			2.0	3.0	29			1.5	3.0
21	59			2.5	5.0	55			3.0	5.0	47			3.0	5.0	29			2.0	3.0
22	61			4.0	6.0	53			3.5	6.0	39			4.0	6.0	27			2.0	3.0
23	61			3.5	6.0	55			4.0	6.5	39			2.5	4.0	29			2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 22.5-37.5 W Month September 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	150	7	14	6.5	11.0	123	8	13	6.0	10.0	96	11	15	6.0	11.0	82	9	11	4.0	7.0	63	8	3	3.0	5.0	56	5	3	3.0	5.5	35	14	3	2.0	3.0	27	11	0	1.5	3.0
01	154	4	22	7.5	12.5	124	8	10	5.0	8.5	102	8	16	4.0	8.0	86	7	8	3.0	5.0	65	8	6	3.0	6.0	57	8	4	3.5	5.5	35	11	4	1.5	3.0	29	9	2	1.0	2.5
02	152	8	10	7.0	12.0	124	10	10	5.0	9.0	104	6	18	3.5	7.0	88	4	9	2.0	5.0	67	6	8	4.0	7.0	57	13	3	3.0	5.0	35	6	2	2.0	4.0	28	9	1	1.0	2.5
03	148	10	7	7.5	12.0	122	10	7	5.0	9.0	96	12	8	3.5	6.5	85	8	9	3.0	5.0	69	6	12	3.0	5.0	57	6	6	3.0	5.5	35	13	4	1.5	2.5	27	12	0	1.0	2.5
04	150	8	9	8.0	12.5	120	10	7	4.0	7.5	96	12	10	4.0	8.0	84	11	7	3.0	5.0	71	5	16	4.0	7.5	57	8	8	4.0	7.0	35	9	2	1.0	2.5	29	2	3	1.0	2.0
05	152	6	8	7.5	12.5	122	10	10	4.5	8.5	94	12	10	4.0	8.0	82	9	6	4.0	7.0	65	9	11	5.0	8.5	57	6	7	5.0	8.5	37	13	6	3.5	5.5	29	4	1	2.0	4.0
06	152	6	6	7.0	12.0	120	12	8	7.0	11.5	90	14	11	3.5	7.0	74	8	11			67	7	7	5.5	11.0	59	4	6	9.0	14.0	39	12	6	2.0	3.5	27	2	2	1.5	3.0
07	148	9	4	8.0	13.5	118	2	11	6.0	10.0	84	7	20	6.0	10.5	66	9	11	3.5	7.0	59	7	13			49	12	3	5.0	8.5	45	8	6	3.0	6.0	27	2	1	1.0	2.0
08	146	6	4	7.0	12.0	118	7	14	6.5	11.5	85	13	20	4.0	8.0	67	11	8	5.0	7.5	43	10	11	4.0	6.0	39	8	6	4.5	7.0	43	4	6	4.0	7.0	27	4	1	1.0	2.0
09	148	6	6	7.0	11.5	111	6	16	7.0	11.0	83	14	19	4.5	23.0	70	7	6	7.0	11.0	39	9	8	6.0	8.0	34	12	6	5.5	8.0	40	8	7	3.0	6.0	27	2	0	1.5	3.0
10	148	9	4	8.5	13.5	*110			7.5	13.0	*90			8.0	15.0	62	10	9	2.0	4.5	41	4	9	5.0	7.0	*36			7.5	10.5	*39			4.0	7.5	29	0	2	1.5	3.0
11	151	3	12	7.5	12.0	108	11	15	10.0	15.0	86	4	17	4.5	8.5	72	4	15	2.5	5.0	39	2	7	7.0	10.5	31	7	3	9.5	14.0	34	5	3	2.0	4.0	31	3	4		
12	150	3	12	7.5	11.5	104	10	10	9.0	15.0	83	3	19	16.0	19.0	71	6	13	12.5	16.0	41	9	5	7.0	10.0	31	26	4	3.5	6.0	35	2	4	5.0	7.0	29	5	1	2.0	3.0
13	148	4	17	8.0	12.5	105	7	11	8.0	13.0	77	9	14	5.5	10.0	74	2	20	5.0	11.0	38	3	8	7.0	9.0	33	9	5	4.0	7.5	34	4	3	3.0	4.5	29	9	0	2.0	3.5
14	150	2	16	8.0	12.0	106	6	8	8.0	14.5	78	9	12	6.0	10.0	76	1	20	3.5	6.5	38	5	7	4.5	7.5	33	10	7	1.5	3.0	37	2	5	3.0	5.0	31	7	3	3.0	6.0
15	148	4	12	8.0	12.5	105	6	9	7.5	13.0	72	15	10	6.0	10.0	71	6	18	4.5	9.0	37	6	4	2.0	4.0	34	3	6	3.0	5.5	37	4	2	2.0	3.0	30	7	2	1.5	3.5
16	148	5	12	7.5	12.5	106	6	14	9.5	15.0	77	10	9	7.0	11.5	67	12	11	4.5	11.0	41	8	4	6.0	8.0	41	3	7	2.0	4.0	41	7	4	3.0	4.5	31	4	2		
17	148	5	8	6.0	10.0	107	7	8	9.0	16.0	76	10	11	7.0	12.5	72	6	12	3.0	7.0	47	8	5	3.0	5.5	51	7	6	3.0	6.0	45	12	5	3.0	5.0	29	17	1	4.5	6.0
18	148	5	9	6.0	10.0	111	9	9	7.0	11.5	80	10	14	5.0	10.0	73	5	4	4.0	8.0	53	9	5	2.5	5.0	51	7	3	2.5	5.0	42	8	6	3.0	5.0	29	16	1	3.0	4.0
19	146	9	6	6.0	10.0	116	6	11	6.5	11.5	87	9	13	5.5	10.5	74	19	1	5.0	11.5	59	4	4	4.5	8.5	53	8	2	3.0	6.0	43	11	9	1.5	3.0	29	16	1	4.0	5.0
20	150	5	8	7.0	11.0	117	8	10	6.0	11.0	88	15	13	5.5	10.5	81	5	8	5.0	9.5	61	7	1	3.5	6.5	53	5	2	4.0	6.0	48	8	11	2.5	4.0	29	16	2	3.5	5.0
21	151	6	9	6.0	11.0	119	7	10	7.0	12.5	88	19	9	5.0	11.0	82	8	7	3.5	7.0	63	8	2	4.0	7.0	56	5	5	3.0	6.0	42	11	8	3.0	5.0	29	19	2	3.0	4.5
22	152	4	6	7.5	12.0	118	10	7	7.5	11.5	90	13	8	6.0	12.0	80	8	3	4.0	8.0	63	10	4	3.5	7.0	55	4	2	2.5	5.5	39	9	5	3.0	5.0	29	16	2	2.0	3.0
23	151	5	12	8.0	12.0	121	8	13	5.5	9.5	92	11	12	4.0	8.0	82	7	8	5.0	9.0	63	7	3	3.0	5.5	55	4	4	3.5	5.5	37	16	4	2.0	4.0	29	15	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 67.5-82.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	156			11.0	17.5	130			7.0	12.0	108			5.5	10.0	92			7.0	13.5	73					59					49					29				
01	158			13.5	20.5	130			8.5	14.0	106			8.0	14.5	92			3.5	6.5	71					61					43					29				
02	156			11.5	18.0	128			9.0	14.5	106			7.0	14.0	92			7.0	12.5	71					61					43					31				
03	158			10.0	16.0	126			8.5	14.0	104			7.5	13.0	90					69					61					43					29				
04	158			12.0	19.5	126					102					84			6.0	10.5	71					59					39					27				
05	158			11.5	18.0	126			8.5	13.5	98			14.0	21.0	74			6.0	9.0	69					55					45					27				
06	156			11.0	17.5	122			12.0	17.5	96			18.0	25.0	70			4.5	6.0	57					49					41					29				
07	152			11.0	16.5	118			13.5	21.0	92			19.0	23.5	72			4.5	7.0	43					45					37					31				
08	152			10.5	15.5	124					88			7.0	23.0	70			7.0	9.0	39					45					33					27				
09	152			12.0	18.0	117			12.0	18.0	92			10.5	18.0	71			3.0	5.5	37					34					33					29				
10	155			9.5	15.0	117			12.0	16.0	92			20.0	22.0	72			4.0	5.0	40					31					33					29				
11	156			9.5	15.0	116			10.0	15.0	94			19.5	22.5	72			3.5	5.0	39					31					33					29				
12	158			7.5	12.0	118			9.0	13.0	94			20.0	22.0	74			4.0	5.5	39					27					33					31				
13	158			6.5	11.0	118			5.0	9.0	94			16.0	20.0	72			6.0	7.0	37					31					33					31				
14	158			7.0	11.0	118			8.0	12.0	92			18.0	22.0	74					37					39					35					33				
15	160			6.5	11.0	116			8.0	12.0	94			20.0	22.5	74			3.0	5.5	43					41					41					31				
16	156			7.0	12.0	116			20.5	19.0	96			17.5	23.0	72			3.5	7.0	43					41					45					31				
17	156			8.0	13.0	112					94			17.5	25.0	78			4.0	7.0	51					49					41					29				
18	154			8.5	12.5	126			7.0	11.5	110			10.0	16.0	86			3.5	7.0	61					55					47					31				
19	156			9.0	14.0	128			5.5	9.0	110			5.5	9.0	92			4.0	7.0	69					61					47					31				
20	156			8.0	12.5	128			6.5	12.0	102			6.0	11.0	86			3.0	5.0	69					61					47					29				
21	154			8.0	13.0	130			7.0	11.5	110			4.0	8.0	90					65					59					47					29				
22	158			9.0	15.5	132			8.0	13.0	114			5.5	10.5	90			4.0	7.0	67					61					45					29				
23	158			12.0	19.0	132			9.5	15.5	112			6.5	12.5	90			3.0	6.0	77					65					47					29				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 67.5-82.5 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	162			6.0	9.5	138			5.0	9.0	124			3.0	5.5	106			3.0	5.5	85					65					47					29				
01	162			5.5	9.5	138			5.0	8.0	124			3.0	6.0	104			4.0	6.0	83					65					49					27				
02	160			7.0	11.5	138			6.0	10.0	124			3.5	6.0	104			3.0	5.5	81					63					49					49				
03	162			6.5	10.5	140			5.0	8.5	122			4.0	7.0	104			3.5	6.5	83					65					51					37				
04	160			7.5	12.5	136			6.0	10.0	116			4.0	8.0	96			5.0	10.0	81					65					43					29				
05	160			8.0	14.0	136			10.5	15.0	106			5.5	9.5	88			7.0	11.5	77					59					43					37				
06	158			9.0	14.5	124			9.0	14.0	98			4.5	7.0	70			2.0	5.0	67					55					43					27				
07	156			11.0	17.5	122			8.0	14.0	92					70			1.0	2.5	65					55					43					31				
08	157			9.0	13.5	128					102			6.0	10.0	74			1.0	2.5	59					45					37					30				
09	156			9.0	15.0	126			6.0	12.5	98			7.5	13.0	75			1.5	2.5	42					42					34					30				
10	160			9.0	14.0	120			10.0	17.0	86			5.5	9.0	68			2.5	5.5	35					33					29					29				
11	158			9.0	14.0	122			7.0	12.5	86			5.0	9.0	72			1.5	3.0	37					33					27					31				
12	162			7.0	12.0	126			5.5	9.5	86			7.0	14.0	76					39					33					33					31				
13	164			6.0	10.0	128					90					78			3.0	4.5	39					37					37					31				
14	164			7.0	11.0	126			5.5	9.0	96			9.0	17.0	78					37					41					39					37				
15	162			6.0	9.5	124			6.0	9.5	96			7.0	13.0	78			3.5	6.5	51					47					41					41				
16	162			5.5	9.5	118			6.0	9.5	100			5.5	6.5	80			3.0	5.5	57					53					49					47				
17	160			7.0	11.0	124			6.0	10.0	112			4.0	8.5	98			4.0	7.0	67					61					51					43				
18	160			6.5	11.0	132			5.5	9.5	116			3.5	6.5	98			3.5	6.0	79					63					49					33				
19	158			7.0	11.0	134			4.5	8.0	114			4.0	7.0	98			3.0	5.0	75					63					49					31				
20	160			7.5	12.5	136			3.5	7.0	116			4.0	7.0	102			3.0	5.5	83					65					49					31				
21	158			6.0	10.0	136			5.0	8.5	120			4.0	7.0	104					85					65					45					31				
22	158			7.5	12.5	136			6.0	10.5	124			3.5	6.5	106			3.5	7.0	83					65					45					29				
23	158			7.5	12.0	138			6.0	10.0	120			5.0	9.0	94			4.0	7.5	85					65					45					29				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 82.5-97.5 W Month October 1963

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	150			*9.0	*14.5	124			7.0	11.5	94			4.0	8.0	84			3.5	7.0	59					54					43					28				
01	152			*10.0	*16.0	124			6.0	11.0	96			4.0	8.0	84			3.5	7.0	59					56					43					28				
02	152			10.5	16.5	122			7.0	12.5	92			5.5	10.5	79			5.0	9.0	57					56					43					32				
03	150			*6.0	*10.0	114			8.0	13.0	84			8.5	14.0	64			2.0	4.0	53					50					39					28				
04	148			*10.0	*16.0	110			9.0	13.5	74			7.0	11.0	62			2.0	4.0	45					44					37					28				
05	148			*10.0	*15.0	106			10.5	15.5	72			9.0	13.0	72			4.0	8.0	37					40					33					28				
06	148			*9.5	*15.0	104			8.0	12.0	68			4.0	6.5	73			2.5	6.0	39					38					33					29				
07	149			*12.0	*14.0	104			8.0	13.0						74			3.0	7.5	39					42					30					28				
08	146			*9.0	*14.0	104			7.5	12.0	68			4.5	6.5	74			3.0	6.0	39					38					30					28				
09	150			*8.0	*13.0	103			8.0	13.0	68			8.5	10.0	77			3.5	8.5	38					34					29					29				
10	150			*8.5	*13.0	104			7.0	12.0	67			2.5	4.0	77			4.0	9.0	39					36					30					28				
11	152			7.5	11.5	106			6.5	10.5	72			5.5	10.0	68			1.0	3.0	43					38					31					30				
12	152			6.0	9.5	106			6.0	9.5	68			8.5	8.0	66			2.0	4.0	39					36					31					30				
13	154			*6.0	*10.0	106			5.5	9.0	68			1.5	3.0	70			1.5	3.0	39					36					31					30				
14	154			*6.0	*9.5	103			4.5	7.5	68			4.0	5.5	76			3.0	7.5	41					36					33					32				
15	152			*7.0	*11.0	100			5.0	8.5	71			3.5	5.0	80			4.0	9.0	39					38					37					30				
16	150			7.0	12.0	102			6.0	9.5	73			7.0	9.0	76			3.0	6.0	43					40					43					30				
17	148			*7.5	*13.0	110			6.0	10.5	78			4.5	8.0	76			2.0	4.0	45					48					45					30				
18	150			9.0	14.0	114			5.5	10.0	82			5.0	8.5	78			3.0	6.0	57					56					45					28				
19	150			*10.0	*15.0	116			6.0	11.0	84			4.5	8.5	78			3.5	6.0	57					56					43					28				
20	150			*8.5	*14.0	118			6.0	11.0	86			5.0	9.0	80			4.5	8.0	59					56					41					28				
21	152			*8.0	*13.5	121			6.0	11.0	92			4.5	8.0	82			3.0	6.0	59					58					43					28				
22	150			*8.5	*14.0	122			5.0	9.5	92			4.0	7.0	83			4.0	7.0	60					56					44					28				
23	151			*9.0	*14.5	122			6.0	11.0	94			3.5	7.0	84			3.5	6.5	61					55					43					28				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 67.5-82.5 W Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*
00	150					122					94					84					59			4.0	6.0	56			4.5	7.0	41			3.5	6.0	26			1.0	2.0
01	151					123					97					81					57			3.0	6.0	54			4.0	7.0	44			4.0	6.5	28			2.5	3.5
02	151					124					95					78					59			3.5	7.0	54			4.0	7.5	40					31				
03	152					116					87					66					59					56					41					29				
04	152					116					75					63					51			9.0	13.0	50			5.5	7.5	38			5.0	8.0	27			2.0	3.0
05	149					111					71					63					39			2.5	4.5	42			5.5	7.5	37			4.0	7.0	27			2.0	3.5
06	149					105					72					66					37			3.0	5.0	37			6.5	9.0	35			4.0	6.0	27			2.0	3.0
07	148					105					70					70					39			1.5	3.0	39			4.0	6.5	31			4.5	6.0	28			1.5	3.0
08	148					104					68					68					38			2.5	4.0	34					29			3.5	5.0	29			3.0	4.0
09	148					105					70					75					38			2.0	4.0	34			4.5	7.0	29			2.0	3.5	27			1.0	3.0
10	148					108					70					78					37			3.0	4.5	35			5.0	7.0	29			2.0	3.5	28			1.0	3.0
11	151					110					69					78					37			3.0	5.0	34			2.5	5.0	29			2.0	3.5	27			1.0	2.5
12	153					110					69					68										39			9.5	10.5	29			2.0	3.5	28			2.0	3.5
13	154					108					70					65					37			4.0	6.0	34			7.0	8.5	29			3.0	4.0	28			1.5	3.0
14	154					108					72					66					37			3.5	6.0	37			4.5	6.0	31			2.5	4.0	28			2.0	3.0
15	154					106					72					79					35			3.0	5.0	36			4.5	9.5	33			2.0	3.5	28			1.5	3.0
16	152					102					72					80					36			2.0	4.0	40			6.0	8.5	35			3.0	4.5	29			2.5	4.0
17	150					106					73					77					38			2.0	4.0	46			3.0	4.5	39			1.5	3.0	29			1.0	3.0
18	151					115					80					79					44			2.0	4.0	50			2.0	5.0	43			2.0	4.0	31			1.0	2.5
19	151					121					86					79					55			2.0	4.0	58			2.0	5.0	45			3.0	5.0	31			2.0	4.0
20	152					121					90					77					61			2.5	5.0	56			2.5	4.5	43			3.0	5.0	29			1.0	2.5
21	152					125					94					80					63			2.5	4.5	58			2.5	5.0	45			3.0	5.0	27			2.0	3.0
22	152					126					96					84					62			2.5	5.0	61			3.0	7.0	44			3.5	6.0	27			2.0	3.0
23	152					127					99					85					61			2.5	4.0	59			3.0	5.0	42			3.0	5.0	27			2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 82.5-97.5 W Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*
00	152					124					102					88					65			2.5	5.0	56			2.5	6.0	47			2.5	5.0	28			2.0	3.0
01	152					126					100					88					63			3.0	5.0	58			3.0	6.0	43			3.5	6.0	28			2.0	3.0
02	152					128					100					82					61			3.0	6.0	60			4.0	7.0	43			4.0	7.5	28			1.5	3.0
03	152					122					94					74					57			4.0	7.5	54			4.0	7.0	41			3.5	6.5	28			2.0	3.0
04	152					116					80					64					53			5.0	9.0	50			5.0	8.5	41			3.5	6.5	30			1.5	3.0
05	150					108					74					66					41			6.5	10.0	42			6.0	10.0	39			4.0	6.5	32			1.5	3.0
06	148					108					68					68					37			4.5	7.0	38			7.0	10.0	35			4.0	6.5	28			2.0	4.5
07	146					104					68					64					35			4.5	9.5	36			8.0	11.5	32			3.0	5.0	28			1.0	2.0
08	148					105					66					68					35			3.5	6.5	33			8.0	11.5	29			2.0	3.5	28			1.0	2.5
09	148					106					66					68					33			5.0	8.0	33			8.0	14.0	29			1.5	3.0	29			2.0	3.0
10	149					106					64					66					33			4.5	7.5	34			10.5	12.5	27			1.5	2.5	30			2.0	3.0
11	150					108					67					64					33			3.0	5.5	34			9.5	13.5	29			2.0	2.5	28			1.5	3.0
12	152					108					64					66					31			3.0	5.0	30			5.5	9.0	29			2.0	3.5	34			2.0	3.5
13	152					108					64					66					29			3.0	6.0	32			8.5	13.0	31			2.0	4.0	30			2.0	4.0
14	152					104					73					66					33			5.0	7.5	34			7.0	11.0	33			2.0	3.5	30			1.0	2.5
15	152					104					73					66					39			6.0	10.0	38			5.0	7.0	37			3.0	5.5	30			2.0	4.0
16	150					108					76					66					47			4.0	8.0	42			2.5	5.0	41			3.0	5.0	28			1.0	2.0
17	148					116					88					74					57			3.5	6.0	50			4.0	6.0	44			4.0	6.0	30			1.5	3.0
18	150					118					86					80					62			3.5	6.0	53			3.0	5.0	44			3.0	6.0	29			2.0	4.0
19	150					120					86					84					62			3.0	6.0	53			2.5	4.5	44			3.5	6.0	28			1.5	3.0
20	152					120					80					84					61			3.0	5.5	56			3.0	5.0	45			2.5	5.5	28			2.0	3.0
21	152					122					94					85					65			3.0	5.5	58			3.0	5.0	49			3.0	6.0	28			1.5	3.0
22	152					122					96					86					65			3.0	6.0	58			3.5	6.0	49			4.0	7.0	28			1.5	3.0
23	152					124					100					88					66			3.0	5.5	56			3.0	6.0	45			3.0	5.0	28			2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 67.5-82.5W Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*	F_{am}^*	D_u	D_ℓ	V_{dm}^*	L_{dm}^*
00	156					132					112					95					68			5.5	11.0	64			3.0	6.0	48			4.0	6.5	35			4.0	5.5
01	157					133					112					94					73			3.0	6.0	64			3.0	5.0	49			4.0	7.5	36			4.0	5.5
02	153					134					111					95					73			3.0	5.0	66			3.0	5.0	48			5.5	10.0	31			2.0	3.5
03	155					134					112					95					74			2.5	5.0	65			2.5	4.5	53			4.5	7.5	27			2.5	3.5
04	156					130					104					83					70			3.5	6.0	65			2.5	5.0	45			4.0	6.0	30			2.0	4.0
05	154					125					89					66					60			4.5	7.5	60			5.0	8.0	46			4.0	7.0	36			3.0	5.5
06	154					119					88					60					60			5.0	9.0	55			5.0	9.0	43			2.5	4.5	35			4.0	6.0
07	154					114					91					58					47			9.0	8.5	50			5.0	8.0	40			3.5	6.0	32			4.0	6.0
08	154					120					93					57					37			5.0	8.0	48			4.5	8.0	36			3.0	6.0	31				
09	152					119					90					56					27			5.5	7.5	39			7.0	10.0	33					31			2.0	4.0
10	155					120					87					56					27			5.0	6.0	38			6.5	10.0	32			4.5	7.5	32			2.0	4.0
11	155					118					85					56					28			4.5	6.0	34			6.0	9.0	30			3.0	5.0	32			3.0	4.5
12	158					122					86					66					29			3.5	7.5	36			5.0	8.5	33			4.0	7.0	30			2.0	3.5
13	160					122					86					68					31			5.5	6.5	36			5.5	10.0	35			5.0	8.0	32			3.5	5.5
14	160					122					88					71					41					40			8.5	14.0	39			6.0	9.0	33			3.5	5.5
15	161					120					89					70					39					44			8.0	11.5	39			2.0	4.5	38				
16	156					106					82					64					39			4.0	8.0	46			5.0	7.5	41			4.0	6.0	32			2.0	4.0
17	154					108					86					68					53			3.0	6.0	52			3.5	6.0	43			3.0	5.5	34			2.5	4.5
18	152					114					92					82					61			4.0	7.0	56			2.5	5.0	45			3.0	5.0	34			2.5	5.5
19	156					120					98					88					65			4.0	7.0	56			2.0	5.0	45			3.0	5.5	30			2.5	5.5
20	156					124					100					90					67			3.5	6.0	57			3.5	6.0	43			3.5	6.5	29			3.0	4.5
21	156					128					104					92					67			5.5	10.0	60			3.0	5.5	45			3.0	6.0	30			3.5	4.5
22	154					130					106					92					67			2.0	4.5	64			2.0	4.5	45			3.5	6.0	30			4.0	5.0
23	156					128					102					90					69			3.0	5.0	62			4.0	6.5	47			2.5	5.0	28			4.0	5.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 67.5-82.5 W Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	156					132					115					96					73			7.0	10.5	65			7.0	10.0	49			3.0	6.0	29				
01	159					135					116					98					73			6.0	10.0	64			5.0	8.0	49			4.0	7.0	32			3.5	5.5
02	159					136					117					99					70			4.0	7.0	63			3.0	5.5	51			5.0	9.0	33			2.5	5.5
03	159					137					117					96					72			5.0	8.0	64			3.0	5.5	49			4.0	7.0	51				
04	160					133					109					86					72			5.5	10.0	64			4.0	8.0	47			4.0	6.0	31			2.0	3.5
05	159					128					95					69					67			5.0	8.5	59			6.0	10.0	46			5.0	8.0	34			2.0	4.5
06	156					119					92					72					54			6.5	9.5	49			6.5	9.5	41					30			2.0	3.5
07	156					115					89					72					43			4.0	6.0	47			4.0	6.0	38			4.5	8.0	30				
08	156										80					70					41			3.0	5.0						31			5.0	6.5	30			2.5	4.0
09	155					116					86					70					39			3.0	5.0	39			8.0	15.5	34			5.0	8.0	30			3.0	4.0
10	156					124					90					70					41			2.5	5.0	40			4.0	6.5	33			6.5	9.0	32			3.5	5.5
11	158					124					90					72					37			2.0	4.0	38			7.0	10.0	33			5.0	8.0	32			3.0	5.0
12	159					125					87					66					37			3.5	5.5	41			4.0	6.5	38			7.5	12.0	35			2.5	5.0
13	163					127					91					64					63			1.5	3.0	46					40			5.0	8.0	37			5.0	8.0
14	165					128					97					66					42			2.0	4.0	51			7.0	11.5	47			5.0	9.0	41			5.0	8.0
15	164					127					100					66					44			3.5	7.0	56			5.5	9.0	47			3.0	6.0	40				
16	162					123					101					69					53			3.0	5.5	58			4.5	8.0	50			3.0	5.0	41			2.0	4.0
17	160					127					107					91					67			2.0	3.5	66			3.0	6.5	50			2.0	4.5	46			4.5	10.0
18	158					132					112					92					78			4.0	7.0	68			4.5	9.0	49			4.0	7.0	30			2.0	4.0
19	159					132					113					95					77			2.5	4.0	66			6.0	10.0	47			4.5	7.0	30			2.0	3.5
20	157					130					112					96					75			4.0	8.0	66			5.0	9.0	48			4.0	7.0	29			2.5	4.0
21	157					130					112					97					73			6.5	11.5	66					48			2.0	4.0	28			1.5	3.0
22	156					129					116					98					73			4.5	8.0	66					48			3.0	5.0	28			3.0	4.0
23	156					131					116					97					71			4.0	6.5	64			4.5	7.5	50			3.5	6.0	28				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70S Long. 67.5-82.5W Month November 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	4	16			126	6	9			98	8	9			78	10	13			62	4	4	3.5	6.5	56	4	6	4.5	7.5	42	6	4	4.5	7.5	30	2	2	2.0	3.0
01	153	3	14			126	6	7			97	10	6			77	11	9			61	7	5	4.0	7.5	54	4	2	4.0	7.0	42	4	4	4.5	7.0	30	2	2	1.5	3.0
02	153	5	10			125	6	7			92	12	7			73	9	14			60	6	4	4.0	8.0	54	6	2	4.0	7.5	42	2	2	5.0	7.5	31	12	3	1.0	2.5
03	152	4	14			116	4	8			84	6	10			66	4	12			58	6	6	*5.0	*9.0	52	8	4	*5.5	*9.0	42	3	6	*5.0	*8.0	30	12	2	*1.0	*2.5
04	150	2	12			114	4	10			72	8	4			63	5	15			48	7	8	*5.0	*8.0	46	2	6	5.5	9.0	40	2	6	4.5	7.0	30	8	2	1.5	3.0
05	150	2	13			108	4	6			70	8	6			66	7	16			40	5	6	3.0	6.0	38	4	4	5.0	8.5	37	3	5	4.5	6.5	30	8	2	*1.5	*3.0
06	150	2	6			104	2	6			72	7	6			70	9	10			36	4	4	3.0	5.0	36	2	6	5.0	8.5	34	2	2	3.0	5.0	30	3	2	2.0	3.0
07	151	1	4			99	9	5			71	6	7			72	9	8			36	4	6	3.0	4.5	33	3	5	6.5	8.5	32	2	2	2.5	4.0	30	2	2	1.5	2.5
08	*150					*105					*74					*72					*40			*4.5	*6.0	*33			*12.0	*14.0	*30			*2.5	*4.0	*30			*1.5	*2.5
09	150	3	4			105	6	10			66	11	2			70	10	10			36	2	3	3.0	5.0	32	2	4	5.5	7.5	30	0	2	2.0	3.5	30	4	2	1.5	2.5
10	150	2	2			106	10	9			70	10	5			70	10	4			38	2	8	2.5	4.5	30	2	4	5.5	7.5	30	0	2	2.0	3.0	30	2	2	1.0	2.5
11	152	4	7			109	7	9			70	10	6			73	5	7			36	2	4	3.0	5.0	30	7	2	8.0	11.0	30	2	2	2.0	3.0	30	2	0	*1.5	*3.0
12	154	2	6			112	6	6			69	13	4			70	2	5								32	4	4	*8.0	*11.0	30	2	2	2.5	3.5	30	3	0	1.5	3.0
13	154	4	4			112	4	7			74	7	5			70	10	5			36	2	7	3.0	5.0	34	4	4	*7.5	*10.0	30	4	2	1.5	3.0	30	4	0	2.0	3.0
14	156	0	7			110	2	9			70	15	5			72	8	6			36	2	8	3.0	5.5	30	8	2	6.5	8.5	30	3	0	2.0	3.5	32	2	2	2.0	3.5
15	154	2	3			106	6	6			70	14	6			72	6	8			36	4	5	3.0	5.0	35	5	5	5.5	10.0	32	4	2	2.5	4.5	32	4	2	1.5	2.5
16	153	3	3			101	9	7			76	6	10			74	7	6			36	5	6	2.5	4.5	33	11	3	6.0	7.5	35	9	3	3.0	5.0	32	5	2	2.0	3.5
17	150	4	2			100	10	6			70	17	6			67	11	17			38	10	6	3.0	5.0	38	8	4	4.0	6.5	37	3	3	3.5	5.5	32	0	2	2.0	3.0
18	150	4	6			102	21	6			80	12	16			71	7	7			42	22	8	3.0	5.0	46	10	5	3.5	6.5	40	4	4	3.5	5.5	32	2	2	2.0	3.0
19	150	5	6			105	18	5			83	14	15			71	11	5			52	9	10	3.5	7.0	52	4	6	3.0	5.5	41	5	3	4.0	7.0	32	0	2	1.5	3.0
20	149	6	3			119	6	13			93	6	13			73	10	9			56	7	6	4.0	7.0	55	3	1	*3.0	*5.5	44	2	6	4.5	7.0	33	7	3	*4.0	*6.0
21	151	4	5			122	7	6			93	8	7			73	10	5			60	9	3	4.0	7.5	58	2	4	*3.0	*5.0	44	0	6	4.5	8.0	32	10	2	*2.0	*3.5
22	150	3	7			123	4	5			95	7	8			76	10	8			61	9	9	4.0	7.0	58	2	4	3.5	6.5	42	4	4	4.5	8.0	33	5	5	*2.0	*3.0
23	152	3	14			124	5	7			95	5	9			74	16	6			63	5	8	4.0	7.5	54	8	4	4.0	8.0	42	4	2	5.0	8.0	30	4	0	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	4	6	9.5	15.5	128	4	10	*5.0	*9.0	102	4	10	5.0	8.5	79	9	9	4.0	7.0	66	4	10			54	8	4			45	7	5			30	12	2		
01	154	4	4	8.5	14.0	128	4	8	5.0	9.0	103	5	14	4.0	8.0	80	8	9	4.0	6.5	64	6	8			56	6	6			44	8	6			30	2	2		
02	154	4	6	9.5	15.0	127	5	7	5.0	8.5	99	3	10	5.0	9.0	72	6	8	2.0	4.0	64	6	10			55	9	7			46	6	6			30	4	2		
03	154	4	4	9.0	14.0	123	1	7	5.0	8.0	87	7	5	11.0	17.0	66	13	14	*2.0	*3.0	61	5	7			55	5	7			42	10	4			32	6	4		
04	152	4	2	10.0	16.0	117	3	9	5.5	9.0	78	6	6	*7.0	*12.0	64	17	14	1.5	3.0	48	4	4			46	8	2			40	8	4			32	8	4		
05	152	4	6	10.5	17.0	112	4	4	*6.0	*9.0	73	9	7	*5.0	*7.0	66	4	16	*2.0	*3.5	39	7	5			38	4	2			38	6	4			32	8	2		
06	152	2	4	*10.5	*16.5	108	6	8	8.5	14.0	74	4	6	3.5	5.5	70	10	6	3.0	6.0	36	6	8			34	2	4			34	6	2			31	1	1		
07	152	2	6	10.5	16.0	107	7	9	8.5	13.5	74	4	8	*5.0	*9.0	73	7	6	2.5	5.0	36	6	10			33	3	1			32	2	2			32	3	3		
08	*152			*12.0	*19.0	*115			*10.0	*16.0	*70			*4.0	*7.0	72	11	10	*2.0	*4.5	*38					*34					30	6	1			32	5	3		
09	150	5	4	*10.0	*16.0	112	7	16	9.5	15.0	68	26	4	*2.5	*4.0	71	29	9	2.5	5.5	38	2	6			30	4	2			30	2	2			31	8	3		
10	152	8	4	7.5	12.5	112	8	14	8.5	14.5	70	24	6	2.0	4.0	76	17	6	4.0	8.0	36	4	6			30	4	2			30	2	2			30	8	2		
11	152	6	4	7.0	12.0	114	8	10	6.5	11.5	70	12	6	3.0	5.0	76	6	8	*2.0	*4.5	35	5	9			32	10	4			30	2	2			30	8	0		
12	154	2	4	7.0	12.0	114	8	8	6.0	10.5	70	12	6	4.0	7.5	68	12	8	2.0	3.5						34	14	6			30	4	2			30	8	0		
13	154	4	5	6.0	10.0	112	10	6	6.0	9.0	70	17	4	4.0	6.0	70	6	14	2.5	5.0	33	3	3			34	14	4			30	6	2			32	2	2		
14	156	4	8	6.0	10.0	112	10	8	5.0	9.0	70	24	4	4.0	5.5	74	22	8	2.0	4.0	35	5	5			32	11	6			32	6	4			32	4	2		
15	155	3	3	6.0	10.0	110	10	10	5.0	8.5	71	13	7	3.0	5.0	75	5	7	3.5	9.5	34	2	8			32	6	6			34	4	4			32	6	2		
16	154	4	4	6.0	11.0	110	8	14	5.0	8.0	72	12	8	4.0	6.0	72	11	8	2.5	5.0	36	6	8			32	14	4			37	9	5			33	7	3		
17	152	4	4	7.5	12.5	104	14	10	5.5	10.0	73	11	9	3.0	5.0	74	4	8	3.0	6.0	36	8	6			38	8	6			40	6	6			32	5	2		
18	150	4	9	8.0	13.5	106	16	6	6.0	10.0	74	4	8	4.0	7.0	73	7	13	2.0	3.5	45	7	9			49	11	9			44	2	8			32	6	2		
19	150	4	11	8.0	14.0	111	5	9	5.0	9.0	82	10	10	*4.5	8.0	72	6	8	2.0	5.0	54	4	10			53	3	3			44	2	6			32	6	2		
20	150	6	10	9.5	15.0	119	7	9	*7.0	*12.0	96	8	13	4.5	8.0	74	8	6	*3.0	*6.0	62	4	6			57	5	5			45	6	7			32	8	2		
21	152	4	6	10.0	16.0	126	4	8	*6.0	*11.0	99	6	9	5.0	9.0	76	8	10	3.0	6.0	62	6	6			58	4	2			46	2	10			36	8	8		
22	152	2	4	9.0	14.5	126	6	8	4.5	8.0	100	10	8	4.5	9.0	78	4	10	3.5	6.5	62	6	2			60	2	6			48	0	10			30	12	2		
23	152	2	4	10.0	15.5	128	4	10	5.0	9.0	102	4	12	5.0	9.0	78	8	8	3.5	6.0	62	8	6			56	6	6			46	4	6			30	10	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month September 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	155	2	2	8.5	14.0	129	3	6	13.0	18.5	106	4	7	*8.0	*13.0	85	7	6	*6.0	*10.0	61	6	5	5.0	9.0	55	5	8	5.0	8.5	35	17	6	3.0	4.5	19	0	2	1.0	2.5
01	155	4	2	9.5	16.0	129	2	6	12.0	18.5	104	5	6	*7.0	*12.0	85	6	6	6.0	9.0	63	2	10	5.5	10.5	53	6	7	5.0	9.5	33	13	4	*2.5	*5.5	19	0	2	1.5	2.5
02	155	2	2	10.0	16.0	128	4	6	12.0	19.0	104	5	5	*9.5	*15.0	83	8	5	4.0	5.5	61	3	6	7.0	13.0	51	7	6	*4.0	*7.0	34	11	6	*3.0	*5.0	19	0	2	1.0	2.5
03	155	4	2	11.0	17.0	129	3	9	12.0	18.0	103	5	5	*9.0	*14.0	81	6	6	*9.0	*14.5	59	6	9	6.0	11.0	51	5	9	5.0	9.0	33	8	4	*2.0	*4.0	19	0	2	1.5	2.5
04	155	2	2	10.0	16.5	125	6	5	12.0	18.0	103	5	9	*4.0	*6.0	*77			8.0	12.5	59	4	12	7.0	11.0	49	8	6	*6.5	*11.0	34	6	4	*4.0	*7.0	19	0	2	1.5	2.5
05	155	2	2	9.5	16.0	123	5	6	13.5	19.5	95	7	13	*9.0	*13.5	56	23	7	*18.0	*22.5	53	6	4	6.0	11.0	49	6	6	*5.0	*8.0	35	3	6	*4.5	*7.0	19	0	2	1.5	3.0
06	153	2	3	11.0	17.0	121	7	5	15.5	22.5	94	6	12	*15.0	*21.0	57	22	8	*11.0	*15.0	*41			7.5	12.5	41	7	10	*6.5	*9.5	36	3	9	*3.5	*5.5	18	1	2	1.5	3.0
07	151	4	0	10.5	17.5	119	10	6	*17.5	*24.0	82	21	6	*20.0	*28.0	53	24	4	5.5	8.0	*36					*33			*7.5	*12.0	37	9	10	*2.5	*4.5	19	1	2	1.5	3.0
08	151	3	3	11.0	17.5	119	10	10	*17.5	*24.5	78	22	4	13.0	*20.0	*53			*19.0	*28.0	*37					*35			*6.5	*10.0	38	7	11	*3.5	*5.5	19	2	2	1.0	3.0
09	151	3	4	*11.5	*19.0	*119			*17.5	*24.0	*80			*18.5	*26.0	55	26	6	*20.0	*28.0	*33			5.5	9.0	*35			*8.5	*12.0	*37			*0.5	*3.0	19	4	2	1.5	3.0
10	151	4	2	*12.5	*19.0	119	10	18	*17.0	*24.5	82	18	10	*16.0	*20.5	53	26	2	*18.0	*25.0	*33			5.0	8.5	29	10	7	*6.0	*10.5	35	4	7	*5.0	*8.0	19	2	2	1.0	2.5
11	151	4	4	12.0	17.5	123	4	8	*16.0	*22.5	*83			*17.0	*23.0	*55			*19.5	*26.0	*30			2.5	5.0	*30			*5.5	*9.5	*37			*3.5	*6.0	19	2	2	1.5	3.0
12	153	4	4	*11.5	*18.5	122	9	7	*15.0	*22.0	94	12	18	*14.0	*19.0	*55			*20.0	*26.5	*32			3.0	5.5	*30			*4.5	*8.5	*33			*4.5	*8.5	19	0	2	1.0	2.5
13	154	5	3	9.0	15.5	125	8	6	16.0	22.5	86	20	10	*20.0	*26.0	63	19	13	*15.5	*21.5	*41			3.0	5.0	33	8	11	*5.0	*8.5	35	8	6	*4.0	*7.5	19	3	2	1.0	2.5
14	155	5	6	8.0	14.0	123	8	7	*14.0	*19.5	94	13	15	18.0	24.0	58	23	7	13.0	19.5	41	2	14	3.0	7.0	33	6	10	*5.0	*9.5	*40			*7.0	*11.0	19	4	2	2.0	3.5
15	155	6	4	*8.0	*13.5	127	7	6	14.5	20.5	93	13	17	18.0	24.0	57	25	6	*10.0	*15.5	43	6	14	6.0	9.0	37	10	10	*5.0	*10.0	*41			*4.0	*7.5	19	3	1	2.0	3.5
16	155	6	4	9.0	14.5	127	6	6	13.0	20.0	94	12	15	13.0	21.0	57	28	5	*4.5	*8.0	41	10	9	3.0	6.5	43	9	10	*4.5	*8.5	43	7	5	5.0	7.5	21	5	3	2.0	3.0
17	155	6	4	8.0	13.0	125	7	4	15.0	21.0	93	8	13	*16.5	*22.0	66	14	12	*16.5	*21.0	*45			8.5	12.0	49	5	8	4.5	8.0	45	3	4	4.5	8.0	19	3	0	1.5	2.5
18	155	3	3	8.5	13.0	126	10	8	13.5	19.5	100	6	4	10.5	17.5	77	12	12	*7.0	*10.0	*57			2.0	6.0	55	4	9	4.0	7.0	46	5	3	*5.0	*8.5	21	1	2	1.5	3.0
19	155	2	2	*8.5	*13.5	127	2	5	11.0	18.0	104	2	4	7.5	13.0	83	8	14	*6.5	*10.0	61	4	8	5.5	9.5	59	4	7	4.0	8.0	47	4	6	*5.5	*9.0	21	2	2	1.5	3.0
20	155	4	2	8.0	12.5	129	2	5	12.0	17.5	105	3	7	*7.0	*12.0	87	5	5	*6.0	*8.5	63	4	11	4.5	8.0	59	2	8	5.0	9.0	49	6	6	*3.5	*7.0	21	0	4	2.0	3.5
21	155	4	2	9.0	13.5	129	4	6	10.5	16.0	106	2	6	6.5	11.5	87	5	9	2.5	6.5	64	4	6	5.0	9.0	58	3	9	4.5	8.0	43	14	8	*5.0	*7.5	19	2	0	1.5	3.0
22	155	4	2	8.0	13.0	129	4	4	9.5	15.0	104	6	6	*8.0	*13.0	85	8	8	*7.5	*13.0	61	5	5	5.0	9.5	56	5	9	4.5	8.5	40	23	9	*2.0	*4.5	19	2	2	0.5	2.0
23	155	4	2	8.5	14.0	129	4	5	13.5	19.5	104	10	4	9.0	14.0	87	4	9	4.0	6.0	61	6	8	4.5	8.0	55	6	4	5.0	8.0	37	25	8	*3.5	*6.0	19	0	2	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	0	2	*9.0	*14.5	119	7	5	*8.0	*13.0	99	4	4	5.5	10.0	87	7	13	2.0	3.5	*57			5.5	9.5	51	4	4	5.0	8.0	35	9	6	*1.5	*3.0	19	0	2	1.5	3.0
01	153	2	2	8.0	14.0	119	5	6	9.0	14.0	102	1	5	6.5	11.0	85	12	10	1.5	3.0	*56			4.0	7.5	52	4	4	3.5	6.5	35	10	6	2.0	4.0	19	0	2	1.5	3.0
02	153	2	2	10.0	16.0	119	5	6	*9.0	*14.0	100	3	6	3.5	7.5	85	9	13	1.5	3.0	56	5	6	3.5	7.0	51	3	4	4.0	6.5	35	7	6	2.0	3.5	18	1	1	1.5	3.0
03	153	2	4	*10.0	*16.0	119	6	8	*8.0	*13.0	101	4	6	4.5	8.5	85	4	12	1.0	2.5	56	8	8	4.0	8.5	51	4	4	3.5	6.0	31	9	2	1.5	3.0	18	2	0	2.0	3.0
04	153	2	4	*10.0	*16.0	120	5	10	*9.5	*15.5	99	5	3	5.5	10.0	77	8	16	2.5	3.5	54	8	6	4.0	8.0	49	5	4	6.0	9.0	31	11	2	1.5	3.0	19	0	2	2.0	3.0
05	153	2	4	10.0	16.0	115	6	10	9.5	14.5	*97			3.0	6.0	57	6	6	2.5	5.0	*54			7.0	11.0	49	4	5	4.0	7.0	31	9	2	2.5	4.0	17	2	0	1.5	3.0
06	151	2	2	10.0	16.0	115	4	12	8.5	14.0	*86			5.0	9.5	56	7	5	2.5	4.0	*46			3.0	6.0	45	6	3	*3.0	6.0	35	5	5	3.5	6.0	17	2	0	2.0	3.5
07	149	4	2	9.5	15.5	109	10	8	10.0	15.5	*83			3.5	9.0	55	5	6	2.0	4.0	*37			6.5	11.5	39	6	6	*4.0	7.0	37	4	5	*2.5	*4.5	19	2	2	2.0	3.5
08	149	2	4	11.0	17.5	105	12	11	*10.0	*17.0	79	11	6	6.0	10.5	*53			1.5	3.0	*31			5.0	7.0	33	8	2	*4.5	7.0	37	15	6	*2.5	*4.5	19	3	2	2.0	3.5
09	146	4	3	*12.5	*20.0	*103			*12.0	*18.5	*75					*51			3.5	5.5	*32			5.0	6.5	*27			*3.0	5.0	*35			*2.5	*4.5	*19			*2.5	*3.5
10	*145			*12.0	*18.5	103	10	10	*12.5	*18.5	*75					*53					*32			4.0	6.0	*23			*3.0	5.0	*35			*4.5	*6.5	*22			*1.5	*3.5
11	147	4	4	*11.0	*16.5	*103			*12.5	*17.5	*73					*51			1.5	3.0	*32			5.0	7.0	*23			*2.5	4.5	*33			*6.0	*8.5	*21			*2.5	*4.5
12	*145			*7.0	*12.0	*107			*8.5	*13.0	*79					*51			2.5	5.0	*31			2.5	5.0	*23			*3.5	5.0	*33			*4.5	*6.0	21	2	2	1.5	3.0
13	147	4	4	*6.0	*11.5	107	10	16	*8.5	*13.0	*77			3.5	5.5	*53			3.0	7.0	*37			4.0	7.0	*25			*4.0	6.0	*37			*4.5	*7.5	23	2	4	3.5	5.0
14	149	2	4	*5.5	*9.5	107	11	15	*7.5	*11.0	79	6	10	4.5	7.0	53	2	4	5.0	7.5	*33			2.5	5.0	31	3	4	*5.0	7.0	*45			*7.0	*10.0	21	4	0	2.5	4.5
15	149	2	2	4.0	9.0	108	9	11	8.5	12.5	79	8	10			54	5	5	3.0	5.0	*36					36	3	7	*4.0	6.5	*43			*4.0	*6.0	22	2	2	2.5	4.0
16	147	4	2	5.5	9.0	109	8	6	*11.0	*15.5	81	7	6	3.0	6.0	59	5	6	1.0	3.0	*41			2.0	4.0	43	7	6	*4.0	6.0	*45			*3.0	*6.0	21	2	2	2.0	3.5
17	147	4	2	6.0	10.0	109	10	4	*8.0	*13.5	89	6	2	2.5	6.0	67	4	9	2.5	4.0	*48					49	23	5	*4.0	7.5	43	4	4	*3.0	*6.0	19	2	1	1.0	2.5
18	151	2	2	5.0	10.0	115	5	3	*5.0	*9.5	95	8	6	4.0	8.0	69	8	4	3.0	4.0	*57			4.0	7.0	53	8	8	*6.0	9.0	43	4	4	*3.5	*6.0	19	2	1	1.5	3.0
19	151	2	2	6.0	11.0	119	4	4	6.0	11.5	99	4	5	4.0	8.0	71	12	6	2.5	4.5	*58			6.0	10.5	51	7	6	*3.5	6.0	41	12	4	*3.0	*5.5	19	1	1	1.0	2.0
20	151	4	2	*6.0	*11.0	119	6	4	*6.0	*10.0	99	5	7	5.5	10.5	86	9	15	2.0	5.5	*58			4.0	7.0	52	12	6	*3.0	6.0	41	6	6	*3.0	*6.0	19	1	2	1.0	2.5
21	151	2	2	7.5	12.0	119	7	4	6.0	11.5	99	6	6	3.0	6.5	87	8	12	2.5	4.5	*57			5.0	9.0	52	10	6	*4.0	7.0	39	7	7	*3.0	*5.0	19	2	2	1.5	2.5
22	152	2	3	7.0	12.5	120	4	6	*6.0	*10.0	99	6	4	5.0	11.0	*87			1.5	3.0	*56			3.0	6.0	51	4	6	*3.5	6.5	35	12	4	2.5	5.0	19	0	2	1.0	2.5
23	153	1	3	7.0	11.5	120	5	6	*8.5	*13.5	101	7	5	7.0	11.5	*83			2.0	4.0	58	6	6	3.5	6.5	51	4	4	*4.0	7.0	37	6	6	*2.0	*4.0	19	1	2	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month September 1963

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20																
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	107					88	6	9			71	3	7			61	5	6			*37					24	1	2													
01	105					89	5	8			71	3	9			61	6	6			*37					23	1	1													
02	106					88	7	7			71	4	7			61	5	6			*37					23	1	2													
03	107					88	6	9			70	5	6			61	3	6			*36					23	1	2													
04	108					87	10	6			70	5	7			59	5	6			*35					25	1	3													
05	104					82	9	5			65	9	5			57	6	6			*35					25	1	2													
06	96					62	4	5			46	6	6			51	8	8			*36					24	2	1													
07	90					61	4	4			40	8	5			43	9	5			*36					24	2	1													
08	90					60	5	2			35	6	3			34	8	6			*37					24	3	2													
09	90					60	5	1			34	5	3			31	6	5			*35					24	3	1													
10	90					61	5	3			34	5	3			30	4	5			*34					25	2	3													
11	90					61	4	3			34	4	2			28	4	3			*34					24	3	2													
12	89					60	5	2			34	4	2			30	6	3			*34					27	2	3													
13	90					60	5	1			34	6	2			30	7	2			*34					28	2	2													
14	91					61	5	2			34	6	2			31	8	2			*37					*28															
15	89					61	8	3			36	4	4			32	16	3			*39					*28															
16	91					61	10	2			37	10	3			38	10	7			40	3	2			32	4	1													
17	93					61	14	3			42	17	5			44	15	2			44	2	3			*30															
18	104					67	13	5			55	16	7			53	10	4			46	3	5			29	2	2													
19	107					80	9	7			63	15	8			59	8	5			45	4	5			28	3	2													
20	105					81	10	5			63	16	6			61	8	7			44	5	6			24	3	1													
21	105					85	7	7			67	12	8			61	7	6			42	4	4			25	1	2													
22	106					86	5	6			67	10	8			61	5	5			39	7	3			24	2	2													
23	106					87	6	9			69	7	9			61	5	5			39	6	5			24	2	1													

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month October 19 63

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20																	
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	108	3	3			87	5	4			65	5	4			59	5	4			40	3	3			23	3	1													
01	108	4	5			87	5	3			65	5	7			59	5	4			39	6	3			23	3	1													
02	108	5	5			87	5	3			64	6	6			59	6	3			38	6	3			22	2	0													
03	107	6	5			86	4	4			64	4	8			58	5	3			38	4	3			22	3	0													
04	106	8	3			85	5	5			62	5	6			58	3	4			38	3	2			22	2	0													
05	104	9	5			79	8	4			60	7	7			56	5	3			38	3	3			22	2	0													
06	98	10	6			63	9	5			48	9	6			51	7	4			40	3	4			22	2	0													
07	93	15	5			59	13	3			40	8	5			43	7	2			41	4	3			23	1	1													
08	94	12	7			56	12	2			36	6	4			37	7	2			39	6	3			26	2	1													
09	93	11	8			56	10	2			34	6	4			34	6	3			37	6	2			26	2	1													
10	94	9	9			57	11	2			34	3	5			33	4	3			36	6	2			26	2	1													
11	94	10	9			58	6	3			33	5	3			31	4	2			36	6	3			26	2	1													
12	94	10	7			59	8	3			31	7	3			33	4	2			37	6	3			26	3	1													
13	94	12	8			59	12	3			31	7	2			34	8	2			39	6	4			27	3	1													
14	95	13	10			59	13	3			32	6	2			36	11	4			41	5	4			28	3	1													
15	96	11	10			59	15	3			34	7	5			39	8	5			43	6	3			30	2	3													
16	97	11	12			59	17	3			41	7	5			45	6	5			44	7	3			28	3	2													
17	98	10	10			61	16	5			49	12	7			52	6	6			46	3	6			27	3	2													
18	104	6	18			64	10	10			57	10	7			57	7	5			46	3	7			26	2	1													
19	107	5	25			81	7	11			63	7	9			59	6	4			43	5	5			26	1	1													
20	107	5	27			83	8	5			63	7	8			59	6	4			41	5	5			24	1	1													
21	107	6	29			84	6	4			64	5	6			59	6	4			40	6	3			24	1	1													
22	107	6	29			86	3	6			63	7	5			59	5	4			39	6	2			23	1	0													
23	107	5	30			86	5	4			65	5	6			59	5	3			40	3	3			23	1	1													

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month November 19 63

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20																	
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	107	7	5			86	4	5			58	8	6			54	8	5			36	2	2			22	2	0													
01	108	6	8			86	6	5			58	7	6			53	7	5			35	3	1			22	2	0													
02	106	8	5			85	6	6			59	7	7			54	7	6			35	3	2			22	2	0													
03	105	11	5			83	9	5			60	6	10			55	6	7			35	3	2			23	1	1													
04	104	11	6			79	9	7			62	8	8			56	6	6			37	3	2			23	1	1													
05	102	8	6			74	10	6			61	7	8			55	7	6			37	2	1			23	1	1													
06	100	5	6			65	6	6			57	8	7			51	9	4			37	3	1			23	1	1													
07	94	8	3			57	3	4			48	5	5			48	4	6			40	6	2			23	1	1													
08	89	10	3			55	5	3			37	4	5			37	4	5			39	6	3			24	1	2													
09	89	8	3			56	4	3			35	4	4			33	4	5			39	6	3			24	2	1													
10	91	6	5			55	5	3			33	7	3			32	3	6			38	5	2			24	2	1													
11	91	4	4			56	3	2			32	6	3			29	6	6			38	4	2			25	2	1													
12	89	8	4			56	4	3			32	6	3			29	4	6			40	4	2			25	3	1													
13	89	8	4			56	4	3			32	7	3			30	4	7			41	4	3			26	2	2													
14	90	8	5			56	6	4			33	7	2			31	6	5			42	4	3			26	2	2													
15	91	8	6			56	6	3			35	4	4			35	5	5			45	3	4			26	2	2													
16	93	8	6			61	5	3			43	6	5			45	5	6			45	3	5			26	2	2													
17	97	8	8			67	7	6			51	5	7			50	5	6			43	5	4			24	3	1													
18	102	5	7			76	7	7			55	6	6			53	5	7			41	4	3			24	2	1													
19	103	6	6			79	6	6			57	6	6			54	6	6			39	5	2			24	1	1													
20	106	6	7			84	4	6			58	6	7			53	5	6			36	4	2			24	1	1													
21	108	4	6			84	7	5			60	5	10			53	6	5			36	2	2			23	2	1													
22	108	4	6			85	6	6			61	4	9			54	7	6			36	2	2			23	2	1													
23	106	7	5			85	6	4			58	8	7			53	8	4			36	2	2			23	1	1													

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ibadan, Nigeria Lat. 7.4N Long. 3.9E Month February 1962

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	133	6	12			121	7	10			108	4	13			90	5	11			67	8	8			60	6	10			46	4	12			25	3	1		
01	134	5	11			122	6	11			106	7	12			90	6	11			68	8	12			58	6	8			42	6	10			26	0	2		
02	133	8	9			122	6	10			106	8	10			88	10	8			70	4	12			58	8	8			42	6	10			26	0	2		
03	135	6	12			121	7	12			107	8	12			90	9	10			68	6	14			58	6	8			42	6	14			26	2	2		
04	135	4	12			120	8	10			102	12	7			88	10	7			68	6	9			58	8	9			36	10	4			28	6	4		
05	131	8	10			118	12	10			98	11	13			74	17	12			66	8	6			58	4	10			40	9	10			30	5	5		
06	127	6	12			108	12	18			85	12	14			66	16	12			58	10	15			56	10	12			44	4	14			30	5	6		
07	124	9	13			106	14	14			85	13	6			64	18	14			44	15	8			46	8	14			38	8	10			32	6	8		
08	123	14	9			108	14	18			88	16	8			*60					40	8	10			42	9	8			34	13	8			30	4	4		
09	125	13	18			112	11	26			86	13	13			*64					40	9	14			37	12	7			33	12	8			*30				
10	121	13	12			104	18	19			80	17	13			*61					38	8	7			32	14	5			32	13	10			30	6	8		
11	125	12	17			108	14	25			*81					*66					38	5	12			*35					32	10	8			*28				
12	121	18	13			99	27	17			78	26	13			*65					38	10	12			34	10	7			31	9	7			*22				
13	123	16	12			101	22	16			76	26	12			*60					36	14	9			31	13	6			34	6	10			28	7	4		
14	125	15	12			110	19	19			82	23	16			66	20	10			36	16	5			40	6	8			36	6	8			30	5	4		
15	123	18	9			112	16	20			86	24	20			66	26	14			36	22	6			38	14	8			42	3	14			30	4	5		
16	129	12	18			114	7	26			92	26	27			69	30	17			48	15	14			48	8	18			44	6	11			32	4	7		
17	127	18	18			109	24	19			96	25	20			83	18	20			52	15	13			58	8	14			46	10	8			30	8	5		
18	129	15	15			119	15	15			104	11	12			87	11	8			66	12	16			62	6	15			44	4	10			26	3	2		
19	133	10	12			120	10	10			102	12	8			88	8	10			69	7	14			62	6	12			43	5	7			26	6	2		
20	133	10	14			123	9	19			100	14	10			86	11	10			68	5	15			64	4	18			46	4	10			28	4	4		
21	133	10	16			122	7	14			104	8	14			89	6	12			68	6	16			60	8	11			48	4	11			28	7	4		
22	133	8	13			122	6	16			106	4	14			90	6	11			68	7	14			60	6	16			46	4	11			26	4	2		
23	133	8	14			122	6	14			107	3	16			90	6	15			68	8	15			58	8	10			44	6	11			26	2	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

This sheet is a correction for corresponding sheet appearing in Technical Note 18-18. 20 Mc D_u for 0400 should be 6 db instead of 0.

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month September 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	2	9.0	14.0	128	4	4	9.5	14.5	106	10	4	9.5	14.5	82	14	4	7.5	12.5	58	6	4	7.5	11.5	56	2	6			36	4	4	3.5	5.5	22	2	0	1.5	3.0
01	153	2	2	8.5	14.0	130	4	4	8.0	13.0	106	10	4	9.0	14.0	86	10	8	8.0	12.5	58	8	4	7.0	11.5	56	4	4			36	4	4	4.5	6.5	22	2	2	1.5	3.5
02	153	2	2	9.0	14.5	132	4	6	9.0	14.5	108	8	5	10.0	17.0	84	10	6	9.5	15.0	58	4	6	7.5	10.5	54	4	2			36	6	4	3.5	5.5	22	2	2	1.5	3.0
03	151	4	2	10.0	16.5	130	4	4	10.0	16.0	106	8	4	9.5	16.0	82	14	4	9.0	16.5	56	6	2	*9.0	*14.0	52	7	0			34	4	4	2.5	4.0	20	4	0	1.5	3.0
04	151	4	2	11.0	17.0	132	4	6	11.0	19.0	108	8	6	9.0	15.5	84	13	8	8.0	14.5	58	4	6	9.0	14.0	52	6	4	5.5	8.5	34	2	4	2.5	4.0	20	4	0	1.0	2.5
05	153	2	4	10.5	17.0	132	4	6	11.0	17.5	106	8	8	10.0	16.0	82	12	10	8.0	12.5	58	6	6	9.5	15.0	50	6	4	5.5	8.0	30	6	0	2.0	4.0	22	2	2	2.0	3.5
06	153	4	2	11.5	18.0	130	4	4	11.0	18.0	96	8	8	8.5	14.5	62	13	4	*3.0	*6.0	56	6	8	*8.0	*12.0	48	4	4	5.0	8.5	32	4	4	2.0	4.0	22	2	2	2.0	4.0
07	151	2	2	11.5	18.5	122	2	6	10.5	16.0	74	10	6	4.0	5.5	50	10	2	3.0	5.5	42	6	4	3.0	5.0	38	4	4	3.5	6.0	32	4	4	3.0	5.0	20	4	0	2.0	3.5
08	151	0	4	10.5	17.0	112	8	4	9.0	14.5	70	12	8	2.5	5.0	50	10	2	3.5	6.0	38	4	8	3.5	5.0	26	8	4	4.5	6.0	28	4	4	4.0	6.0	20	2	0	2.0	3.5
09	149	4	2	10.0	16.0	108	6	4	7.5	12.0	71	15	7	3.0	5.5	48	12	2	3.5	6.0	30	6	2	3.0	5.0	22	6	4	3.0	4.5	23	5	3	*3.0	*5.0	20	2	0	2.0	4.0
10	149	4	2	10.0	16.0	108	12	4	8.0	11.5	74	16	10	3.0	6.0	50	8	4	*4.5	*6.0	29	9	3	3.0	5.0	20	8	4	2.5	4.5	20	6	2	4.0	6.0	20	2	2	2.0	4.0
11	149	4	2	11.0	17.0	110	6	4	9.0	12.5	74	8	10	3.0	5.5	48	8	2	3.5	6.5	28	6	2	3.0	5.0	19	7	3	*2.5	*4.5	18	4	4	3.5	5.0	20	2	2	2.0	4.0
12	149	4	2	11.0	17.0	110	6	4	8.5	12.5	70	10	6	5.5	8.5	48	14	4	2.5	4.5	28	6	2	3.0	5.0	20	6	4	2.0	4.5	18	2	2	4.0	6.0	20	2	2	1.5	3.5
13	149	4	2	11.0	17.5	110	8	4	9.0	12.0	70	12	6	7.0	9.0	50	12	6	*4.0	*7.0	28	4	2	2.5	4.5	19	3	3	2.5	5.0	18	2	2	*5.0	*7.0	20	2	2	2.5	5.0
14	149	2	2	10.5	17.0	110	8	4	11.0	15.5	66	18	4	4.5	6.5	50	14	4	2.5	5.0	28	6	2	2.5	3.5	20	4	4	*3.0	*5.0	18	6	2	4.0	6.0	22	2	4	2.5	4.5
15	149	2	4	11.0	18.0	110	8	6	9.0	13.0	66	14	5	5.0	7.5	46	8	2	3.0	5.5	28	8	4	2.0	3.5	22	6	6	2.0	4.5	26	2	7	2.5	5.0	22	2	2	2.0	3.5
16	147	4	3	12.0	19.0	107	8	5	8.5	12.0	64	16	4	4.0	5.5	48	18	4	3.0	5.5	28	11	2	2.0	4.5	24	6	8	2.5	4.5	32	2	4	4.0	1.5	22	1	2	3.0	5.0
17	147	3	2	11.5	18.5	106	6	4	7.0	11.0	69	10	5	2.5	4.5	51	8	5	3.0	5.0	32	11	6	3.0	5.0	32	6	7	2.0	4.5	36	4	4	4.0	7.5	22	2	2	2.0	5.0
18	147	2	2	10.5	16.5	109	6	1	7.0	11.0	86	5	5	5.5	9.0	62	5	2	3.0	5.5	40	5	8	2.5	4.5	46	6	6	3.0	5.0	36	6	2	4.0	6.5	22	4	2	*2.0	*3.5
19	147	2	0	9.0	16.0	116	5	4	7.0	11.0	92	10	4	6.0	10.0	74	6	7	4.0	7.0	48	6	4	*4.0	*6.0	50	5	3	3.5	6.0	36	4	2	4.5	7.0	24	1	2	2.0	3.5
20	149	2	2	8.5	15.0	118	4	2	8.0	13.0	95	13	6	6.5	12.0	76	12	5	4.5	7.5	52	11	4	*7.0	*10.5	52	4	5	3.5	6.0	36	5	2	4.5	6.5	22	3	0	1.0	3.0
21	151	2	4	9.0	14.0	121	3	4	8.0	12.5	98	12	4	7.5	12.5	78	13	5	5.0	9.0	54	8	4	6.0	9.0	54	2	6	3.0	5.5	36	3	4	3.0	5.0	22	3	0	1.0	2.5
22	151	2	2	8.0	13.0	124	5	3	9.5	14.5	102	8	6	8.0	13.0	82	11	5	8.5	12.5	56	6	4	6.5	12.0	54	6	2	3.5	6.5	36	4	2	4.0	6.5	22	3	0	1.5	3.0
23	151	2	2	8.0	13.5	126	6	4	10.0	15.5	104	7	6	8.5	14.5	84	10	8	7.0	11.5	58	5	4	6.5	12.5	54	8	1	4.0	6.0	36	4	3	4.0	7.0	22	4	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	4	4	12.0	19.0	133	4	5	13.5	21.0	109	8	8	11.5	19.5	90	8	8	12.0	20.0
01	153	3	4	12.5	19.5	132	5	4	12.0	19.5	113	6	6	10.5	18.5	92	10	11	11.0	20.5
02	153	7	4	11.5	18.0	134	5	7	11.5	18.5	113	8	8	11.0	18.0	92	8	11	11.5	22.0
03	153	4	3	13.0	20.0	134	4	6	13.0	20.5	111	9	4	11.0	20.5	88	9	8	*11.5	*20.0
04	153	3	4	11.5	18.0	134	2	7	13.0	21.0	109	10	4	11.0	18.0	92	6	14	12.5	21.5
05	153	4	3	12.0	17.5	132	5	5	14.0	21.0	107	12	6	11.5	18.0	82	15	7	*10.0	*17.0
06	153	4	3	12.0	18.0	130	5	2	*13.5	*21.0	103	10	6	11.0	17.5	72	12	7	*10.0	*17.0
07	151	3	1	12.0	18.0	122	7	2	11.0	18.5	87	16	10	*8.0	*12.0	62	15	11	*5.5	*8.0
08	149	5	3	12.0	18.5	116	8	4	12.5	19.0	77	23	8			58	20	8	*4.5	*8.0
09	149	4	4	12.0	18.0	109	9	6	12.0	16.0	76	19	7			56	13	7	*5.0	*8.0
10	149	2	4	12.5	18.0	110	7	8	12.5	18.5	73	20	6			59	24	11	*8.5	*15.0
11	149	2	4	12.5	18.5	112	6	8	*13.5	*18.5	73	22	8			55	26	6	*5.0	*8.0
12	149	4	4	*12.0	*18.0	112	10	8	*8.5	*13.0	69	24	4			53	13	2	*5.0	*8.0
13	149	5	4	14.0	20.5	114	8	8	13.0	17.0	69	32	4			56	16	6	*4.5	*7.0
14	149	4	3	15.0	22.0	118	5	11	13.0	16.5	74	26	9			60	18	12	*10.0	*18.5
15	149	5	5	15.5	23.0	114	12	9	*11.0	*15.5	72	22	7			56	20	8	*6.0	*8.5
16	149	3	5	14.5	21.0	110	9	4	13.0	17.0	69	28	6			54	21	6	5.5	7.0
17	148	5	4	13.0	21.5	108	16	6	8.0	11.5	83	16	17			62	18	6	4.0	6.0
18	147	5	2	11.5	18.5	111	14	4	8.0	11.5	91	13	13	5.0	7.0	71	15	8	5.0	7.5
19	147	4	2	11.0	17.5	118	9	6	13.0	17.5	99	10	7	12.0	16.5	82	9	7	10.0	17.0
20	149	7	2	12.0	18.5	120	11	4	13.5	20.5	103	12	6	11.0	16.0	83	14	7	12.0	20.0
21	150	6	3	12.5	18.5	124	12	5	15.0	21.0	105	12	6	12.0	17.0	86	11	8	*10.0	*17.0
22	150	5	1	11.0	18.0	128	7	4	14.5	21.0	108	7	6	12.0	17.0	85	11	6	*11.0	*21.0
23	151	4	2	11.5	18.5	129	6	2	12.5	20.5	109	9	3	12.0	20.0	90	8	6	12.0	21.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	62	6	6	13.0	22.0	56	4	4			35	2	2	4.5	6.5	23	0	2	1.5	3.0
01	60	7	2	10.0	16.0	56	4	3			33	4	1	9.0	11.5	23	1	2	2.0	4.0
02	60	11	6	13.0	21.0	56	5	3			35	9	3	11.0	16.0	21	4	0	2.5	4.0
03	61	8	7	9.5	14.5	55	4	4			33	5	3	7.0	11.0	21	2	0	3.0	5.5
04	60	9	6	11.0	17.5	54	2	6	4.0	6.5	33	2	3	1.5	3.5	21	2	0	2.5	4.0
05	61	6	8			50	7	4	5.0	8.0	31	5	2	2.0	4.0	23	3	2		
06	58	9	8	10.0	16.5	50	5	5	7.0	10.0	31	4	1	4.0	6.0	23	0	2	4.0	6.0
07	47	10	5	10.0	13.5	45	6	6			37	3	8	7.5	10.5	21	3	0	2.5	4.0
08	40	9	3			36	4	7			35	2	6	9.0	12.5	21	2	0	3.0	5.0
09	34	5	5	4.5	7.0	27	5	5			29	3	8	8.0	11.0	21	2	1	4.0	6.0
10	32	4	5	1.0	3.0	22	10	4	1.5	3.0	25	2	6	6.0	8.0	21	2	2	3.0	5.0
11	31	5	5	4.5	9.0	22	8	4	2.0	3.5	21	9	4	7.0	10.0	21	3	2	3.0	5.0
12	30	6	4	2.0	4.0	23	7	5	3.5	7.0	19	6	4	9.5	12.5	21	4	2	2.5	4.5
13	30	5	4	2.0	4.5	20	12	3	2.5	4.5	21	10	5	7.0	11.5	21	4	2	4.0	6.5
14	30	9	4	4.0	6.0	23	12	3	3.5	5.0	23	13	5	8.5	11.5	23	2	3	5.0	7.0
15	30	11	2	3.0	5.0	24	12	5	3.5	5.5	27	10	6	9.0	14.0	21	4	1	4.0	7.0
16	32	10	4	4.0	6.0	28	10	9	5.0	8.0	29	10	4	8.0	11.5	23	5	2	8.0	11.0
17	37	12	6			38	5	6	4.5	7.0	35	6	4	9.0	13.5	23	4	2	5.0	7.0
18	48	4	7	5.5	7.5	46	7	5	3.5	5.5	38	3	5	9.5	13.5	23	2	0	3.0	5.0
19	54	10	7	11.0	16.0	49	7	6	4.5	7.5	35	6	1	7.0	9.5	23	2	0	4.0	6.5
20	58	9	8	10.0	15.5	50	6	6	6.0	8.5	35	2	1	4.5	6.0	23	2	0	2.0	4.0
21	60	11	9	7.0	13.0	51	9	5			37	3	3	5.0	7.0	23	1	0	2.0	4.0
22	58	10	5	9.5	14.5	52	6	5	6.0	10.0	38	3	4			23	0	1	2.0	3.5
23	60	6	4	9.5	15.0	54	4	5	5.0	8.0	35	5	0			23	1	2	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	4	4	12.0	18.0	130	8	4	12.0	18.0	109	10	7	10.5	18.0	87	12	6	10.0	19.0	60	8	6	7.5	12.0	54	4	2			36	2	2	4.0	6.5	21	2	0	1.5	3.0
01	154	4	3	11.5	18.0	132	7	4	10.5	17.0	109	11	6	10.5	18.5	87	10	8	10.5	17.5	58	10	2	7.0	12.0	54	5	4			36	2	4	4.5	7.0	21	2	0	1.5	3.0
02	154	4	4	11.5	18.5	132	6	4	11.5	18.0	111	7	7	11.0	17.0	88	9	7	10.5	18.0	58	11	4	8.0	12.0	54	5	4			34	4	2	4.5	6.5	21	2	0	1.0	3.0
03	154	5	2	11.0	17.0	134	4	5	12.5	19.0	111	6	6	11.0	16.0	91	6	10	12.5	20.0	60	8	6	8.0	13.5	52	4	4			34	2	4	4.0	6.0	21	2	0	1.5	3.0
04	156	3	5	12.0	18.5	132	6	2	12.0	19.0	109	8	5	11.0	17.0	87	10	10	11.0	20.5	62	5	7	9.0	15.0	52	4	5	*6.5	*11.0	30	4	0	3.0	4.5	21	2	0	1.5	3.0
05	156	4	4	12.0	18.0	134	3	4	11.5	18.5	107	8	4	11.0	16.0	86	9	7	12.0	20.5	60	7	5	8.5	14.0	50	3	5	4.5	7.5	30	3	1	2.0	4.0	21	2	0	1.0	3.0
06	156	4	4	12.0	18.5	132	4	4	12.0	19.0	105	8	7	10.0	15.0	79	9	8	*8.5	*13.5	60	8	7	7.5	13.0	48	5	4	5.5	8.0	30	3	0	3.0	5.0	21	2	0	1.0	2.5
07	154	3	2	11.5	18.5	122	4	1	11.0	17.5	93	4	16			62	14	11	6.0	10.0	54	8	10	8.0	12.5	50	4	10	5.0	8.0	36	6	4	6.0	9.5	23	2	2	3.0	4.5
08	150	5	2	13.0	19.5	118	7	4	12.0	18.0	81	16	7			56	20	7	*4.5	*7.5	44	6	8	5.0	7.0	40	8	8	6.0	9.0	35	9	5	8.5	12.5	23	2	2	3.5	5.0
09	150	4	2	13.0	20.0	112	3	10	11.0	15.0	87	16	13			56	21	5	6.0	10.0	36	13	7	4.0	6.0	30	12	7	7.5	10.5	31	8	8	9.0	12.0	23	3	2	3.0	4.5
10	150	5	2	13.0	18.5	114	12	12	12.0	15.0	83	21	12			55	18	6	*5.0	*7.0	33	14	7	3.5	6.0	26	14	6	4.5	7.0	26	13	6	8.5	13.0	23	5	2	3.5	6.0
11	150	6	2	12.5	19.0	112	14	10	10.0	13.0	87	12	16			55	19	6	*5.5	*7.5	32	15	6	3.5	5.5	26	11	8	4.0	6.5	26	11	8	8.5	12.5	23	4	2	3.0	5.0
12	150	7	2	14.5	21.5	112	12	8	12.5	18.5	87	16	16			53	22	4	*5.0	*7.5	32	15	6	3.0	5.0	28	12	10	3.5	6.0	24	16	8	8.5	13.0	25	3	4	3.0	6.0
13	150	7	2	14.0	22.0	112	14	10	11.5	18.5	85	16	16			52	30	3	*7.0	*14.0	30	10	4	3.0	5.0	28	10	10	2.0	4.0	26	10	8	10.0	15.0	25	4	4	4.0	7.0
14	150	6	2	14.5	23.0	114	10	12	13.5	19.0	83	18	14			53	16	4	4.0	7.0	30	20	4	3.0	4.5	26	16	8	*3.0	5.0	28	10	8	10.0	14.0	25	2	4	4.0	7.0
15	150	6	3	15.0	22.5	110	14	8	10.0	14.0	79	19	12			50	14	3	5.0	7.0	32	18	4	3.0	5.0	30	12	9	3.5	6.0	30	8	6	7.0	10.0	23	6	2	3.0	5.0
16	150	5	4	14.0	22.5	109	13	9	12.0	17.0	79	18	12			57	14	4	9.5	14.0	36	13	8	2.0	4.0	34	11	9	3.0	5.5	32	9	3	5.0	10.0	23	3	2	3.0	4.5
17	150	4	4	14.5	22.5	108	14	8	8.0	13.0	85	14	13			65	10	16	8.0	10.5	42	13	10	3.0	5.0	42	9	6	3.5	5.5	36	6	4	4.5	8.0	23	2	0	2.5	4.0
18	148	4	3	12.5	19.5	114	11	8	8.0	12.0	95	14	16			73	18	8	7.0	12.5	50	11	10	*8.0	*11.0	48	6	7	5.0	8.5	34	5	2	4.0	6.0	23	4	0	1.5	3.5
19	148	8	2	12.5	20.0	120	10	7	10.5	17.5	99	14	10	11.0	16.5	81	14	12	*9.0	*13.0	55	13	11	7.5	10.5	48	5	6	4.0	7.5	34	4	2	3.5	5.0	23	2	0	2.0	3.5
20	150	7	2	12.0	19.0	120	12	5	12.5	18.0	105	11	12	9.0	13.5	84	15	9	11.0	16.0	57	12	11	8.0	13.0	48	6	4	4.5	7.0	34	2	2	3.5	5.5	23	1	2	1.5	3.0
21	152	5	2	11.5	18.0	124	12	6	13.0	19.0	103	14	6	11.5	14.0	85	12	8	13.0	21.5	60	10	8	10.0	16.5	52	4	6	5.0	8.5	36	2	3	4.0	6.0	23	0	2	2.0	3.5
22	152	5	2	10.0	16.5	126	10	5	11.5	18.0	109	9	10	10.5	19.0	87	12	8	11.0	22.0	60	10	8	8.0	12.0	52	4	3	4.5	7.0	36	4	2	3.5	6.0	23	0	2	1.5	3.0
23	154	4	4	11.5	17.5	130	7	4	11.5	18.0	111	8	8	9.5	16.0	88	11	9	9.5	18.5	60	8	6	7.5	11.5	52	4	2	5.0	7.5	36	4	2	4.0	6.0	23	0	2	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	2	4	*7.0	*9.0	134	4	4	8.0	11.0	114	7	6	5.5	8.0	96	6	8	6.5	9.5	65	8	8	5.5	7.5	57	8	4	5.0	7.0	43	3	4			23	2	2	2.0	2.5
01	155	2	4	*6.5	*8.5	134	6	6	7.5	12.0	112	8	4	8.0	11.0	94	10	6	7.0	9.5	65	8	10	5.5	9.0	57	10	4	4.0	6.5	43	4	10	3.5	5.0	23	4	2	3.0	3.5
02	155	2	4	*8.0	*10.0	135	5	5	7.0	11.0	114	10	6	8.0	11.0	94	12	6	7.0	9.0	67	10	8	6.5	10.0	56	8	9	6.0	8.0	42	11	11	4.5	6.0	25	2	4	8.0	13.5
03	155	2	2	7.5	10.0	134	6	6	9.5	12.5	113	11	7	6.5	9.5	92	14	6	6.0	9.5	68	10	11	7.5	12.5	56	8	9	7.0	9.0	47	9	18	4.0	6.0	23	2	2	2.0	3.0
04	155	4	4	*9.0	*12.5	135	8	4	8.5	12.5	112	12	10	8.0	11.0	93	12	11	8.5	12.5	65	15	6	8.0	13.0	53	14	8	5.5	8.0	41	14	12	4.0	6.0	23	4	2	2.0	3.0
05	155	2	4	*8.5	*10.5	135	8	10	8.0	11.0	109	11	13	7.0	10.5	84	18	12	8.0	11.5	60	19	5	6.5	10.0	53	11	7	5.5	8.5	39	18	7	3.0	5.0	23	2	2	1.0	2.5
06	152	6	3	9.5	12.0	128	9	8	8.5	11.0	96	24	14	13.5	19.5	75	23	7	8.5	10.0	55	14	16			55	12	17	4.0	6.5	44	12	12	5.0	6.5	25	2	2	2.5	3.0
07	151	5	3	*5.5	*7.5	124	12	10	10.0	13.0	91	24	11	9.5	15.0	74	27	6	5.0	5.5	47	16	12	7.5	11.0	53	12	25	6.0	10.5	35	12	8			25	4	3		
08	149	6	4	*6.5	*8.5	118	16	8	6.0	8.0	90	24	15	9.5	15.0	76	18	10	5.0	7.0	41	17	7	2.0	2.5	39	27	14	6.0	10.0	30	16	6	6.5	8.0	*24			4.0	5.0
09	150	2	4	*9.0	*13.0	122	12	11	9.0	12.0	94	24	4	9.5	13.0	74	22	7	2.0	3.5	38	21	7	6.0	15.5	*35					*25					23	10	2	11.0	15.0
10	150	5	3	*8.0	*11.5	124	12	10			96	22	16	7.0	12.5	74	28	4	10.5	15.0	39	17	8	9.0	14.5	30	17	9	9.0	14.5	*29			4.5	6.5	23	4	2	3.5	4.0
11	151	6	2	*8.0	*11.0	124	14	9	8.0	6.5	96	25	13	10.5	15.0	80	22	12	3.0	14.0	41	14	7	9.5	13.0	35	23	10	7.5	10.0	31	12	8	6.0	8.5	25	4	2	4.5	5.0
12	153	4	2	*7.0	*9.0	126	12	6	9.0	11.5	108	13	17	13.0	18.0	85	20	12	5.0	6.5	45	19	11	4.0	5.0	37	28	13	9.0	12.5	34	13	13	6.5	9.5	25	5	3		
13	155	4	4	*7.5	*9.0	130	10	6	8.0	10.5	110	16	18	8.0	10.5	93	12	23	9.5	10.5	57	10	24			47	22	21	7.5	12.0	37	11	12	4.0	10.0	27	4	4	4.5	5.5
14	157	4	4	*9.5	*11.5	132	9	10	9.0	12.0	110	14	16	13.5	17.5	88	18	18	13.5	17.0	54	13	22			45	16	18	5.0	8.0	41	9	13			29	2	4	4.0	5.0
15	156	4	3	9.0	12.5	130	10	6	12.0	15.5	114	6	19	11.0	15.0	88	17	14	13.0	17.0	53	13	16	3.0	5.0	*47					*43					29	2	4	2.5	3.5
16	157	4	5	7.0	10.5	132	10	9	11.5	15.0	113	8	15	10.5	14.0	90	14	18	14.0	18.5	*55					53	11	18	7.0	10.0	*47			7.5	11.5	29	4	4	5.0	5.5
17	155	5	4	8.0	10.0	130	10	8	8.0	10.0	112	8	20	8.5	11.5	88	18	11	6.0	8.0	*59					59	10	22			45	5	19			29	5	4	5.0	5.0
18	153	4	2	*7.5	*8.5	134	4	10	9.0	12.0	113	8	13			94	11	8	8.0	12.0	65	10	22			59	8	11	5.0	8.0	47	6	12	6.0	8.0	27	5	5	4.0	5.0
19	155	2	4	*5.5	*7.5	133	7	7	6.0	9.0	112	6	6	8.0	11.0	96	10	8	6.0	8.5	65	8	15	6.0	9.0	59	7	9	6.0	10.0	43	7	6	3.5	5.5	27	3	4	2.5	3.5
20	155	2	2	*6.0	*8.0	132	6	6	8.0	11.0	114	8	10	6.5	9.0	96	10	8	6.5	10.0	63	12	17	5.0	7.0	59	9	12	5.0	7.5	43	3	6	3.5	5.5	25	2	2	2.0	3.0
21	155	4	2	*5.5	*8.0	134	2	6	8.5	11.5	114	8	8	7.5	10.5	94	12	6	7.5	11.0	65	8	5	5.5	8.0	57	8	4	4.5	6.5	43	6	8	3.0	4.5	25	2	3	2.5	3.5
22	155	2	2	*7.0	*9.0	132	6	2	6.0	8.0	114	8	6	6.5	9.0	95	9	7	7.5	10.5	64	9	13	7.0	10.0	55	11	5	5.0	8.0	41	4	4	3.5	5.5	23	4	0	1.0	2.5
23	155	2	4	*7.0	*9.5	134	6	4	7.5	10.0	115	7	7	7.5	10.0	96	8	8	9.0	12.0	63	10	8	7.0	10.0	57	11	6	4.0	6.0	43	2	4			24	3	3	2.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	4	2	7.0	10.0	132	4	4	9.5	12.5	113	6	6	*8.5	*11.5	93	6	8	8.5	11.5	62	6	5			64	6	10	5.0	8.0	45	4	12	3.5	6.0	26	2	2	3.5	4.0
01	152	4	3	8.5	11.0	132	4	5	10.0	13.5	112	5	7	10.0	14.0	92	8	7	8.5	12.0	64	6	6	5.5	9.0	66	6	16	5.0	7.0	45	2	8	3.5	5.5	25	3	3	3.5	5.0
02	152	4	2	8.0	10.0	132	4	5	9.5	12.5	111	6	6	10.0	14.5	92	6	7	10.0	13.0	64	4	6	4.5	6.0	66	2	6	4.5	7.0	45	2	6	5.5	8.0	26	2	4	3.0	4.0
03	152	4	2	7.5	10.0	130	5	4	10.0	13.5	111	6	6	11.5	16.0	90	8	6	8.5	11.5	62	8	2	5.5	8.0	64	4	12	3.0	5.5	45	2	7	4.0	6.0	26	2	4	3.0	4.0
04	152	4	2	8.0	10.0	130	6	4	10.0	13.0	107	6	4	11.5	16.5	89	6	5	10.0	14.0	62	8	4	4.5	5.5	64	4	8	4.0	6.0	44	3	11	5.0	6.5	24	4	4	2.0	2.5
05	152	4	3	8.0	10.0	128	6	4	9.0	12.0	105	6	2	8.0	12.5	82	6	6	5.0	7.0	62	2	8	4.0	5.5	64	6	10	4.0	7.0	45	8	12	3.0	4.5	26		4	2.0	2.5
06	151	3	3	7.5	9.5	124	8	4	7.0	9.5	91	12	4	6.5	8.0	78	4	4	3.0	5.0	60	4	4	3.0	6.0	67	3	11			47	6	10	3.0	5.0	26	2	4	2.0	3.5
07	150	2	4	6.5	8.0	119	7	3	8.0	11.0	91	8	4	7.0	9.0	*80		4	3.0	4.5	60	5	8	4.0	5.5	65	4	10	4.0	7.0	45	6	8	2.0	5.0	26	2	2	2.5	4.0
08	146	6	2	6.0	8.0	116	4	2	6.0	8.0	91	8	4	5.0	7.0	78	4	2	3.0	5.0	62	2	15	3.0	6.0	66	4	12	2.0	5.5	45	6	6	4.0	7.0	26	4	5	3.0	4.0
09	146	6	3	5.0	7.0	118	6	6	5.0	7.0	93	7	6	*5.0	*8.0	80	4	2	3.0	5.0	58	8	8	2.0	3.5	66	5	13	4.0	7.0	47	3	9	2.0	4.5	*28			4.0	4.0
10	146	6	2	5.0	7.0	118	6	6	6.5	9.0	92	7	5	*7.0	*10.0	80	1	6	3.0	4.0	61	3	5	4.0	6.5	66	4	12	4.0	7.0	49	2	19	4.0	6.5	28	1	5	2.0	3.0
11	148	4	4	5.5	7.5	120	6	6	6.0	8.5	93	8	4	7.0	10.0	80	2	5	*2.5	*4.0	*62			3.0	5.0	66	4	28	4.0	7.5	47	4	11	3.5	7.0	28	4	7	4.5	6.0
12	148	6	2	8.0	10.0	122	6	6	8.0	11.0	95	10	4	9.0	12.0	80	4	4	*3.0	*5.0	60	4	14	3.0	5.0	66	4	10			47	4	6	2.5	5.5	28	4	2	3.5	4.0
13	150	6	4	6.0	8.0	124	8	8	7.0	10.0	98	9	7	10.5	15.0	80	4	2	3.0	4.5	60	4	8	2.0	5.0	66	4	9	4.5	5.5	47	4	6	3.5	5.0	30	2	6	3.0	4.0
14	151	5	7	8.0	10.5	123	7	5	8.0	10.0	97	10	8	*10.5	*15.5	80	4	2	3.0	4.5	62	2	5	2.5	5.0	68	2	10	3.5	5.5	49	2	6	3.5	3.5	32	1	5	4.0	5.5
15	152	4	6	7.0	9.0	124	8	10	8.0	10.0	99	10	8	7.5	12.0	80	5	4	*4.0	*6.0	62	2	5	2.0	5.0	68	3	10	3.0	6.0	48	5	6	4.5	6.5	30	5	5	4.0	5.0
16	152	4	6	6.5	8.5	124	6	10	8.0	11.0	97	10	6	9.0	13.0	82	4	6	5.0	7.0	61	3	5	3.0	5.5	68	2	4	3.0	5.0	47	4	4	4.0	6.0	30	4	4	4.5	5.0
17	152	2	6	6.0	7.5	126	6	8	9.0	13.0	105	10	8	8.0	12.5	88	8	8	*6.0	*10.0	62	3	6	4.0	6.0	62	6	8	3.5	6.0	47	6	3	4.0	6.5	28	6	4	3.0	5.0
18	151	3	3	5.5	7.5	128	6	8	8.0	11.0	107	10	4	9.0	13.5	94	6	14	8.0	11.0	60	10	6	2.5	5.0	59	9	7	2.5	5.0	45	9	9	2.0	4.0	26	3	5	2.5	3.0
19	150	4	2	5.0	7.0	127	7	5	9.0	12.5	109	6	6	*10.0	*14.5	94	6	12	8.0	12.0	60	10	6	1.5	3.0	60	6	7	2.0	4.0	*43					24	4	2	2.0	3.0
20	152	2	2	5.5	7.5	128	9	6	8.5	11.0	113	5	6	9.0	11.5	94	6	10	7.0	10.0	60	10	6	3.5	6.0	58	10	4			43	5	9	2.0	4.0	24	2	4	3.0	3.5
21	152	2	2	*5.5	*7.5	130	4	2	8.0	10.5	113	2	4	*9.0	*13.0	92	8	8	8.0	11.5	62	11	4	5.5	8.0	62	6	8			43	6	7	3.5	5.5	24	2	4	2.5	3.5
22	152	4	2	6.5	9.0	132	4	4	8.0	11.0	115	4	6	*7.0	*10.5	91	11	5	9.0	12.0	62	8	6	3.0	5.0	64	6	11	5.0	7.5	43	5	3	3.0	5.0	24	4	2	3.5	5.0
23	152	4	2	7.0	9.5	132	4	3	8.0	11.5	117	4	10	8.0	12.0	93	5	7	8.0	10.5	61	11	3	4.0	5.5	62	8	11	3.5	6.0	45	3	4	3.0	4.0	25	3	3	4.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	4	2	9.0	11.0	132	12	4	11.0	14.0	114	9	5	10.0	12.5	91	16	7	8.0	12.0	63	11	4	*5.5	*9.5	62	6	12	3.5	6.0	43	8	12	*4.0	*6.0	25	2	2	*2.0	*4.0
01	152	6	2	*9.0	*11.0	134	6	6	11.0	14.0	114	8	6	9.0	13.5	94	10	10	9.0	12.5	65	12	6	6.0	8.5	62	9	10	*4.5	*7.5	40	10	9	*4.0	*6.0	25	4	2	*2.0	*3.0
02	154	6	4	*9.0	*12.0	132	8	2	10.5	14.0	112	10	6	11.0	14.0	92	15	8	9.0	12.5	65	8	4	*4.5	*6.5	62	8	10	*5.0	*8.0	43	8	10	*4.0	*6.0	26	2	3	*3.0	*4.0
03	154	4	2	8.5	11.5	133	7	7	11.0	15.0	112	10	6	10.5	15.5	91	13	7	8.0	10.5	65	8	6	7.0	10.0	62	8	10	*6.0	*8.5	43	8	10	*3.5	*5.5	25	4	2	2.0	3.0
04	154	2	4	7.5	10.0	133	5	7	11.0	15.0	110	10	6	14.5	21.0	92	8	8	11.0	14.0	65	6	5	*9.0	*12.5	60	10	10	5.0	7.5	41	10	10	*3.5	*5.0	25	4	2	*2.0	*3.0
05	154	4	2	8.5	11.5	132	4	8	*10.5	*14.0	114	7	11	10.5	14.5	90	8	11	11.0	14.0	65	6	4	*10.0	*14.0	60	10	13	*4.0	*8.0	42	9	13	*3.0	*4.5	25	4	2	*2.0	*3.0
06	154	2	2	8.5	10.5	128	10	6	9.5	11.0	102	11	9	8.0	11.0	78	14	8	3.5	8.5	65	5	10	*5.0	*10.0	60	10	10	3.5	6.5	43	10	10	*2.5	*5.0	27	2	3	2.0	3.0
07	150	2	2	8.0	10.0	122	8	6	*7.0	*9.0	96	17	8	6.5	11.5	80	10	12	2.5	4.0	61	2	10	*5.0	*9.0	60	10	14	*3.0	*5.5	43	9	8	*3.0	*6.0	27	2	4	1.5	2.5
08	148	6	5	*8.0	*11.0	116	12	5	*6.5	*10.0	98	12	14	8.5	14.0	78	5	11	2.5	4.0	56	9	15	3.0	5.5	58	12	18	*10.0	*14.0	43	8	12	*6.0	*9.0	26	2	3	*2.0	*3.5
09	148	6	5	*8.5	*11.0	116	12	4	*12.0	*17.0	100	7	5	13.0	20.0	76	6	8	3.5	5.0	55	10	11	*7.0	9.0	66	3	30	*3.5	*7.0	37	14	8	*3.0	*6.0	27	2	4	*2.0	*3.5
10	150	2	3	*8.0	*10.0	118	8	7	*5.0	*7.0	100	10	7	11.0	18.0	76	13	10	3.5	4.5	49	16	9	*3.5	*5.0	62	9	28	*4.5	*6.0	40	11	7	*4.0	*6.0	27	2	4	*2.0	*3.0
11	148	4	4	*9.0	*12.5	120	10	6	*7.5	*9.5	102	8	13	8.5	11.5	77	14	10	4.5	6.0	45	18	8	*5.0	*8.0	57	13	23	*3.5	*6.0	45	5	14	5.0	7.0	27	4	2	2.0	3.5
12	150	4	6	*8.0	*10.0	123	9	9	*14.0	*18.0	101	15	6	13.0	21.5	78	18	8	6.0	7.0	54	10	12	*2.5	*4.0	64	6	32	*3.0	*5.0	46	8	16	*4.0	*6.0	29	2	2	*2.5	*4.0
13	150	4	2	8.0	10.5	122	14	8	10.5	12.5	99	23	9	7.5	9.5	82	20	14	4.5	6.0	58	8	17	3.0	4.0	53	18	21	*3.0	*6.0	46	8	14	3.0	5.5	31	3	6	*3.0	*5.0
14	152	2	4	8.0	10.5	124	16	10	*8.0	*10.0	100	20	9	8.0	10.5	83	21	15	2.5	6.5	59	9	23	2.5	4.0	58	13	27	*4.0	*7.0	44	10	16	3.0	4.0	29	6	2	*5.0	*7.0
15	150	4	4	*6.5	*9.0	124	14	12	8.5	9.5	100	25	15	8.0	10.0	81	21	12	3.0	5.5	57	12	16	*3.5	*5.0	64	8	23	*4.5	*8.5	45	8	12	4.0	5.0	29	4	4	*3.0	*5.0
16	150	5	4	*8.0	*9.0	122	13	10	*12.0	*15.0	104	17	15	4.0	11.0	84	16	14	9.5	12.0	59	7	15	*4.0	*7.5	59	10	18	*4.5	*9.0	43	10	10	4.0	6.5	29	3	4	*1.5	*4.0
17	150	2	3	6.5	8.5	124	12	6	*9.5	*13.0	107	13	7	14.0	20.0	88	14	8	6.0	8.0	60	12	12	4.0	6.5	58	14	9	4.5	6.5	43	14	7	*4.0	*6.0	27	4	4	*4.0	*5.5
18	152	4	4	*7.0	*10.0	129	9	7	*10.0	*12.0	110	12	8	11.0	14.0	90	16	10	7.0	9.5	61	12	6	*4.0	*8.5	60	8	8	*6.0	*9.5	43	5	7	*3.5	*6.0	25	5	1	*2.0	*3.0
19	152	4	4	*8.5	*10.5	130	8	8	*8.5	*11.0	110	12	6	8.0	12.5	88	16	6	9.0	12.0	61	14	6	*6.5	*10.0	60	8	7	4.5	7.0	45	3	12	*5.0	*7.5	25	4	2	*2.5	*3.5
20	153	1	3	*7.0	*10.0	132	8	6	*11.5	*15.0	112	11	6	7.0	11.5	90	16	4	10.5	14.0	65	6	7	*9.0	*13.5	62	6	11	*3.5	*7.0	43	9	6	*3.0	*7.0	25	4	2	*1.0	*2.0
21	154	3	2	8.0	10.0	132	10	4	*9.0	*12.0	114	10	6	8.0	12.0	92	14	8	7.0	7.5	64	5	9	*5.0	*9.5	60	9	13	*4.0	*6.5	43	11	11	*5.0	*7.5	25	4	2	*2.0	*3.5
22	154	4	4	9.0	10.5	132	8	4	*9.5	*12.5	113	12	3	9.0	14.0	90	18	4	5.0	7.0	63	8	10	4.0	8.5	59	11	9	3.0	5.5	45	6	14	4.0	6.0	25	5	2	*2.0	*3.0
23	152	4	2	*9.0	*12.5	132	10	4	*8.5	*11.0	114	7	5	10.0	18.0	92	10	8	7.0	8.0	64	9	9	5.5	8.5	62	8	16	*4.0	*6.0	37	14	7	*5.0	*7.0	25	4	4	*2.0	*3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month September 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	155	4	2	*11.0	*15.5	133	4	5	*12.0	*19.0	114	4	6	12.0	19.5	92	7	2	9.5	16.0	57	11	0	7.0	13.0	55	6	3	6.0	10.0	43	9	7	4.0	6.0	24	1	2	*1.0	*3.0
01	156	3	3	*13.0	*19.5	135	2	2	*14.0	*22.0	114	4	4	10.0	17.0	94	5	4	9.0	16.5	57	13	4			53	7	7	5.5	10.0	40	6	6	4.0	7.0	24	1	4	1.0	3.0
02	157	5	4	*12.0	*17.0	134	3	3	*11.5	*17.5	114	5	4	9.5	16.5	94	5	4	10.0	17.0	57	10	2	8.0	12.5	52	10	18	6.0	10.5	37	1	6	4.0	6.5	22	2	2	*1.0	*2.0
03	157	2	5	*10.5	*15.5	135	6	4	*12.0	*19.0	113	5	5	8.0	16.0	92	8	4	9.0	16.5	61	6	6	9.0	13.0	52	9	3	6.5	10.0	36	8	4	3.0	5.0	22	2	2	1.5	3.0
04	157	2	4	*11.5	*17.0	134	4	5	*12.0	*19.5	112	4	4	10.5	18.0	89	5	5	8.0	15.5	57	8	5	9.0	14.5	52	2	3	5.5	11.0	34	10	4	3.0	5.5	22	2	2	*1.0	*3.0
05	157	3	4	*11.0	*16.0	129	4	6	*13.5	*20.0	100	7	8	11.5	20.0	68	15	10	14.5	27.0	57	11	5	8.0	12.5	52	8	3	6.5	11.0	36	8	4	5.0	9.0	22	2	2	2.0	3.5
06	153	5	2	*12.0	*17.0	123	7	7	*13.0	*20.0	94	11	11			52	22	6			45	13	4	9.5	15.5	48	9	10	9.0	15.0	43	25	9	3.5	6.0	22	4	2	*1.0	*3.0
07	153	5	4	*14.5	*21.0	121	8	9	*14.0	*22.5	94	11	17	17.0	25.0	64	21	8	10.0	13.5	41	8	2	10.5	13.0	43	7	11	11.0	14.0	40	7	7	3.5	7.0	24	2	2	*1.5	*2.5
08	155	4	6	*14.0	*20.0	121	11	10	*15.0	*23.0	96	10	16			64	16	10	6.5	10.0	41	6	2	9.0	15.0	36	13	4	8.0	11.5	36	8	8	5.5	5.5	24	3	3	*3.0	*4.0
09	155	4	4	*14.5	*20.0	121	12	8	*18.0	*23.5	96	3	13			66			15.0	26.0	41	1	4	10.0	13.5	35	5	5	5.5	9.0	*33					*22			*2.0	*3.0
10	*155					*125			*20.0	*26.5	95	12	16	12.0	22.0	68	14	11			*39					*32			8.5	12.5	31	9	5			24	2	4	2.0	4.0
11	153	4	2	*15.5	*21.5	123	6	6	*11.5	*19.0	95	9	13	18.0	26.0	66	12	10			39	5	2	8.5	12.0	34	8	4	12.0	18.0	34	7	7	4.5	8.0	24	2	2	*2.0	*3.5
12	154	5	4	*14.5	*20.5	123	5	6	*17.0	*24.0	93	10	11	13.0	21.0	64	14	8	13.0	21.0	39	2	2	9.0	12.5	32	6	2	6.0	9.0	32	8	4	6.5	10.0	24	2	4	*1.5	*2.5
13	155	4	4	*13.5	*21.0	123	5	6	*17.5	*24.0	95	9	14	11.0	17.0	68	17	8	13.0	21.5	39	4	2	7.5	13.0	34	4	4	7.5	10.0	34	8	4	2.5	6.0	26	2	2	*2.0	*4.0
14	155	4	4	*11.5	*19.0	123	6	4	*13.0	*22.0	97	10	17	16.0	24.0	70	16	12	10.5	19.5	39	4	2	5.5	9.0	38	7	7	7.0	11.0	38	16	2	5.0	8.0	26	3	2	*2.0	*4.0
15	157	2	4	13.0	19.0	124	6	5	*10.5	*16.5	95	14	16	13.0	20.0	66	18	8	13.0	21.0	39	4	2	6.0	12.0	40	8	8	6.0	12.0	46	5	7	7.5	6.0	26	3	2	2.0	4.0
16	157	2	4	12.0	18.0	123	6	6	*12.0	*19.0	94	16	17	16.0	24.0	70	18	13	12.0	23.0	42	5	3	8.0	12.0	45	7	9	7.0	12.0	46	17	8	2.5	5.5	28	1	2	*2.0	*4.0
17	157	2	4	10.0	16.0	123	6	5	10.0	15.5	98	23	13	14.0	22.0	76	13	8	12.0	17.5	49	8	8	6.5	10.0	52	6	8	7.5	12.0	46	18	2	3.0	8.0	26	4	0	3.0	4.0
18	155	3	4	10.0	17.5	125	7	6	14.5	19.5	103	9	4	13.0	23.0	90	8	10	8.0	15.0	55	10	5	5.0	8.5	54	9	3	3.5	7.5	46	12	2	2.5	5.5	26	2	0	2.0	3.5
19	157	4	4	10.0	15.5	129	5	5	*12.0	*18.0	110	6	5	11.0	17.0	94	6	6	8.5	15.0	57	13	4	7.5	10.0	58	5	8	5.5	9.0	50	14	5	2.0	5.0	26	4	2	1.5	3.0
20	157	4	2	11.5	17.5	132	4	3	*12.0	*17.5	112	5	5	10.5	17.5	94	6	5	7.5	14.5	59	9	4	4.5	8.5	56	6	6	5.0	8.0	46	14	7	3.5	6.0	24	2	0	1.5	3.0
21	157	3	2	*9.0	*15.0	133	3	2	*15.0	*21.0	112	5	3	13.0	20.5	94	4	6	7.0	12.0	61	7	6	5.0	10.0	58	6	6	5.0	9.5	46	14	9	2.5	5.5	24	3	0	*1.5	*3.0
22	157	2	4	10.5	17.0	133	2	4	10.0	16.5	113	5	5	14.0	22.5	94	4	6	7.5	15.0	61	6	6	7.0	11.5	54	2	4	6.0	12.0	44	8	8	3.0	5.5	24	2	0	1.0	2.5
23	155	4	2	*10.5	*16.0	133	4	4	*12.0	*19.0	114	2	6	9.5	15.5	94	5	5	9.5	16.5	59	8	4	5.0	10.5	55	6	3	6.0	10.5	44	3	5	3.0	6.0	24	2	2	1.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	146	6	9	9.0	13.5	123	8	8	11.0	18.0	110	6	12	11.0	18.0	87	8	5	10.0	20.0	57	8	4	*7.5	*11.0	56	8	6	6.0	10.0	38	6	5	5.0	7.0	25	0	0	*2.0	*3.5
01	145	6	7	9.5	14.0	123	8	6			110	4	9	10.0	18.0	86	8	6	8.0	15.0	59	6	5	*10.0	*13.5	56	4	5	7.0	10.0	34	6	2	4.0	6.0	25	1	0	*2.0	*3.5
02	144	7	4	10.5	15.5	123	8	6	12.0	19.0	100	6	0	10.0	16.5	86	4	6	5.0	11.0	59	4	6	*9.0	*14.0	56	6	4	7.0	13.0	34	6	3	3.5	5.0	25	2	0	*1.0	*3.0
03	143	8	2			123	9	6			106	8	6	10.0	17.0	82	8	4	8.0	15.5	57	10	6	*6.5	*9.5	52	9	7	7.0	10.5	36	6	4	3.0	5.0	25	0	0	*1.5	*3.0
04	143	8	6			123	8	2	10.0	15.5	104	6	7	10.0	16.0	80	8	2			55	10	4	*8.0	*12.0	52	9	5	5.0	8.5	34	3	4	2.0	4.0	25	1	0	*1.5	*3.0
05	145	6	6			121	6	6	10.0	15.0	98	6	6	8.0	14.5	68	10	8			56	10	7	*3.0	*6.0	52	8	6	4.0	6.5	36	4	5	3.0	5.5	25	2	0	*2.5	*3.5
06	141	10	0	10.5	16.0	113	6	3	9.0	17.0	84	6	12	8.5	13.0	58	10	2	5.0	8.0	51	8	6	*3.5	*3.5	52	12	7	5.0	8.0	38	5	4	3.0	5.5	27	4	2	*2.5	*4.0
07	143	6	6	10.0	15.5	109	4	4	12.5	18.0	78	13	10	16.0	21.0	59	6	5	2.5	4.5	43	4	4	*7.5	*11.5	40	11	4			38	8	4	6.0	8.5	27	4	2	*3.5	*5.0
08	143	5	6	12.5	18.0	113	0	16	13.5	19.5	76	10	8	11.5	16.0	58	7	2			41	4	2	*10.0	*14.0	38	13	4	6.0	8.0	36	6	4	5.0	7.0	29	2	4	*7.0	*10.0
09	145	6	6	15.5	21.0	109	4	9	15.0	22.0	76	17	6			*58					41	4	2	*9.0	*12.5	36	6	4	4.5	6.0	32	6	2	8.0	10.0	27	4	2	*4.0	*6.0
10	*143					109					76	7	5	11.0	15.5	60	5	6	3.5	6.0	*39			*7.0	*9.0	*32			4.0	6.0	30	6	4	4.0	6.0	27	3	2	*3.0	*5.5
11	143	7	5	16.5	22.5	109	8	8	13.0	20.0	75	9	5	4.0	6.0	58	5	3	4.5	6.5	39	4	0	*7.0	*9.5	34	2	2	4.0	6.0	29	7	3			27	2	2	*1.5	*3.5
12	143	7	6	17.5	24.0	110	7	11	14.5	22.5	74	10	4	13.5	17.0	58	6	2	3.0	5.0	39	4	2	7.5	12.0	32	4	2	7.0	9.5	28	10	2	2.5	3.5	27	2	2	2.0	3.5
13	145	6	4	14.0	20.0	111	6	10	14.0	23.0	76	10	6			58	4	2			41	3	2	6.0	9.0	34	5	3	7.0	9.5	32	12	4	2.5	5.0	29	0	2	*2.5	*4.5
14	144	9	3	15.5	22.0	109	8	8	12.5	20.0	77	9	7	6.0	8.0	60	6	4			41	2	2	*6.5	*9.0	34	4	1	5.5	7.0	36	8	4	4.0	5.0	29	2	2	*4.0	*7.0
15	145	7	3			109	8	8	7.0	12.0	74	18	6	11.0	16.0	60	8	4			40	5	3	*7.5	*10.0	38	8	4	6.0	8.0	40	6	5	4.0	6.0	29	2	2	*2.0	*3.5
16	149	2	6			107	7	8	10.5	15.5	78	10	4	11.5	19.0	62	10	5	4.0	6.5	43	2	4	*6.5	*9.5	46	3	5	3.0	6.0	42	7	4	6.0	9.0	29	3	2	2.5	4.0
17	143	8	5			110	7	7	14.0	20.5	92	4	14			78	4	8	7.0	13.5	53	5	4	*8.0	*12.0	52	6	7	6.0	8.5	44	5	4	2.5	5.0	27	6	0	2.0	4.0
18	145	6	4	10.0	15.5	114	4	7			98	9	8	13.0	21.5	82	4	4	8.5	14.5	59	6	4	*6.5	*12.0	54	8	6	5.0	8.0	42	6	6	5.0	7.5	27	2	2	1.5	3.5
19	150	3	9	9.0	16.0	121	4	4	10.0	16.0	104	6	8	8.0	14.0	86	6	6	7.5	12.5	55	9	6	*6.0	*11.0	56	9	6	6.0	9.0	41	8	5	3.0	5.0	27	1	2	1.5	2.5
20	147	7	5			125	9	7	10.0	17.0	106	6	8	9.0	15.5	89	5	9			60	5	5	*9.5	*14.0	56	6	6	7.5	12.0	38	6	5	3.0	5.0	27	1	2	1.0	3.0
21	147	7	6	10.5	17.0	127	4	6	11.5	19.0	108	8	6	8.0	13.0	88	10	8	8.0	16.0	57	8	8	7.0	11.5	54	12	4	9.0	15.0	38	6	4	2.5	5.0	25	2	0	*1.5	*3.0
22	148	6	7			123	8	4	11.0	17.0	108	8	6	10.0	17.5	85	11	5	10.0	14.5	57	9	4	*5.0	*9.0	56	6	6	3.5	6.5	37	7	4	2.5	5.0	25	2	0	1.5	3.0
23	143	11	6			123	7	4	11.0	17.0	110	8	11	10.5	17.5	86	11	2			59	10	5	*8.0	*12.0	56	3	6	6.0	12.0	38	6	4	3.0	5.0	25	2	0	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month November 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	147	8	4	11.5	17.5	127	7	5	15.0	21.5	116	6	7	10.0	17.0	90	6	8	9.0	19.0	61	10	8	9.0	15.0	59	5	5	5.5	9.5	36	6	6	3.0	5.5	23	4	2	1.5	3.0
01	146					127	8	6	14.5	21.0	115	6	7	11.0	18.0	88	11	4			61	10	4	5.0	9.5	58	4	5	5.0	9.5	36	6	6	3.5	6.0	23	6	0	1.0	3.0
02	148	9	7	15.5	21.5	125	10	4	18.0	22.0	114	8	6	10.0	16.5	88	12	8	9.0	17.5	59	12	4	7.0	11.0	58	6	4	6.0	10.0	34	4	4	3.0	5.5	23	4	0	1.5	3.0
03	147	8	6	13.5	20.0	127	8	6	14.0	21.0	113	5	8	11.5	19.0	84	14	4	11.0	20.5	61	11	6	8.0	13.0	58	6	6	6.0	9.5	34	8	4	2.5	5.0	23	4	0	1.5	3.0
04	147	13	5	14.0	20.0	129	5	8	12.5	19.5	110	10	14	12.5	19.0	82	18	4	9.5	19.0	61	10	6	8.5	13.0	54	6	4	5.5	9.0	32	4	2	2.5	4.5	23	4	0	1.0	3.0
05	147	11	6	14.0	20.0	127	8	6	14.0	22.0	106	12	7	11.0	20.0	80	15	7	8.0	14.0	59	10	4	7.0	11.0	54	6	6	4.5	8.5	33	5	3	2.5	5.0	23	6	0	1.0	3.0
06	147	10	6	13.0	19.0	121	6	6	13.0	20.0	93	13	10			64	24	6	19.0	29.5	55	10	6	12.0	16.0	54	9	5	8.0	12.0	40	5	6	4.0	7.0	25	8	2	2.0	3.5
07	143	9	2	12.5	18.0	119	10	9	17.0	21.5	88	16	12			64	15	7			45	12	4	6.0	10.0	50	10	6	4.0	6.0	42	4	5	4.0	7.0	26	3	1	2.0	4.5
08	142	12	1	14.0	20.0	113	3	7			87	20	13	7.0	14.0	62	21	6	8.5	14.0	43	4	4	7.5	11.5	46	6	8	7.0	10.0	40	6	6	5.0	8.0	27	2	2	3.0	4.5
09	143	10	2	17.0	23.0	113	10	8			86	14	13	8.0	14.5	62	9	6	9.5	15.0	41	4	2	7.5	11.0	40	12	4			38	7	6	5.0	8.0	27	4	2	2.0	4.0
10	150			16.5	22.5	120					90			15.5	26.5	63			14.0	21.0	41			7.0	11.0	38			11.5	15.0	34			8.0	10.0	26	3	1	4.0	6.0
11	147					115	12	5			90	26	15	13.0	21.0	64	20	6	14.5	25.0	41	6	4	7.0	11.0	37	12	3	7.5	10.5	34	6	4	3.0	5.0	23	6	0	2.5	4.0
12	147	10	4	16.0	22.0	113	14	2	20.0	27.0	85	20	11	12.5	20.0	61	19	5	17.0	26.0	39	15	2	7.0	10.5	36	10	4	7.0	11.5	32	6	2	4.0	7.5	25	4	2	3.5	7.0
13	147	7	4	16.0	22.5	117	9	7	14.0	21.5	88	29	16	18.5	26.5	64	28	4	11.0	17.0	41	5	2	7.0	10.0	40	10	6	7.0	10.0	36	6	4	4.0	7.0	27	4	2	2.0	4.0
14	146	7	7	15.0	21.5	115	10	6	16.5	23.0	84	33	10	17.0	25.5	66	26	8	12.5	23.0	41	14	2	7.0	10.0	40	14	4			36	6	4	4.5	7.0	27	2	2	2.5	5.0
15	147	7	5	14.0	21.0	115	12	8	17.0	24.0	90	18	12	17.0	27.0	72	18	11	4.5	7.5	41	12	2	8.0	10.0	46	12	5	5.0	8.0	40	3	4	4.5	7.5	25	4	0	2.0	4.0
16	147	6	5	12.5	19.0	111	14	5	15.0	22.0	93	14	13	12.5	19.0	80	6	14			45	12	2	6.0	9.0	52	8	5	8.0	12.5	40	6	2	2.5	5.0	25	4	0	2.0	3.5
17	143	10	2	11.0	18.5	113	11	6	15.0	21.0	95	15	7	11.0	19.0	82	14	10	10.0	18.0	53	10	7	10.0	14.0	52	11	3	6.0	13.0	40	6	6	3.5	6.0	25	2	2	1.5	3.0
18	144	12	3	13.0	18.5	123	8	2	13.0	19.5	100	14	8	12.0	18.5	82	15	2			53	13	4	8.0	12.0	54	6	4	6.0	10.0	40	8	6	3.5	6.0	25	2	2	1.5	3.0
19	145	12	4	13.0	19.5	125	6	2	12.0	18.0	106	7	12	10.5	18.0	86	14	6	7.0	14.0	57	9	5	8.5	13.5	54	8	4	4.5	7.5	38	4	4	3.5	6.0	23	4	0	1.5	3.0
20	145	13	4	12.5	18.0	123	11	2	17.0	22.0	108	6	10	10.0	17.0	86	10	6	8.0	16.0	58	10	5	5.0	8.5	56	5	4	5.5	9.5	36	6	4	3.0	5.5	23	6	0	2.0	3.5
21	147	9	7	15.0	21.0	126	9	5	11.0	17.5	112	9	13	15.0	21.0	87	8	5	6.5	13.0	59	9	6	5.0	8.0	56	3	4	6.0	9.5	36	6	5	3.0	5.5	23	4	0	1.0	2.5
22	147	10	6	14.0	18.0	125	8	4			112	9	7	11.5	19.0	87	11	5	9.0	15.5	59	9	2	8.0	12.0	56	4	3	6.0	9.0	34	10	4	3.0	5.0	23	6	0	1.0	3.0
23	147	8	6	13.0	19.0	127	6	6	12.0	19.0	113	9	7	8.5	16.5	90	6	8	12.5	21.0	59	9	2	8.0	13.5	56	5	4	6.0	9.0	36	8	8	3.0	5.5	23	4	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	158	2	4			128	6	6			108	8	4			92	9	5			65	6	7			56	5	7			41	17	7			20	2	2		
01	158	4	4			128	8	4			110	7	6			92	8	8			66	5	8			56	6	7			36	15	4			20	2	2		
02	156	6	2			128	9	6			108	11	5			90	11	5			64	8	8			55	7	5			38	10	8			20	2	3		
03	158	5	4			128	8	4			108	10	8			90	9	6			65	4	9			53	7	6			36					20	2	4		
04	156	6	2			130	5	7			106	8	6			90	8	8			65	6	8			54	6	7			37	4	6			20	2	6		
05	156	6	2			128	8	4			100	10	2			78	13	6			63	7	9			54	5	6			40	6	8			20	2	4		
06	156	4	2			122	8	6			80	23	5			60	1	4			53	9	4			51	5	5			44	10	6			20	2	4		
07	154	4	4			124	5	14			76	22	4			58	4	2			47	4	4			43	5	9			44	8	8			20	3	5		
08	152	5	2			114	8	8			*84					*60					45	4	4			*36					34					*22				
09	153	3	3			112	13	14			73	18	4			58	6	2			45	4	2			34	3	2			32	12	4			20	4	2		
10	152	4	4			112	16	10			72	27	4			60	4	2			45	2	3			34	6	2			32	6	4			22	1	4		
11	152	9	4			114	16	10			74	24	6			60	3	2			45	3	3			34	9	2			32	6	4			22	4	3		
12	154	6	6			118	8	14			74	26	6			58	12	2			45	3	4			34	7	2			32	9	3			22	4	3		
13	156	4	6			118	12	8			78	22	10			58	17	2			45	4	3			34	4	2			36	6	4			22	5	2		
14	158	4	6			120	10	8			82	24	12			58	17	2			45	4	2			34	6	2			40	6	8			24	4	2		
15	160	2	4			122	8	8			84	26	14			60	20	4			45	3	2			34	11	2			40	7	4			26	4	4		
16	160	4	2			124	8	8			92	22	22			60	29	4			45	6	3			40	12	7			46	5	6			26	4	5		
17	160	2	4			124	13	9			95	23	24			69	23	11			49	10	6			46	11	6			48	4	4			26	3	6		
18	158	4	2			124	12	8			96	22	6			86	10	6			60	11	7			55	8	6			50	2	2			25	3	6		
19	160	6	2			128	12	6			104	16	4			90	10	2			67	7	10			56	8	6			48	5	2			22	5	4		
20	160	4	2			128	10	3			106	12	4			92	8	5			69	5	8			56	5	8			44	5	2			22	2	7		
21	158	4	2			130	7	4			108	11	6			94	9	8			69	5	10			56	6	7			43	11	5			22	2	7		
22	158	4	2			128	8	4			110	9	9			94	8	8			67	8	9			54	6	7			44	12	10			20	4	2		
23	158	6	4			128	8	6			108	10	4			93	10	7			67	7	9			53	8	7			44	11	11			20	2	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month October 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	159	7	4			132	9	5			115	12	7			98	11	8			70	8	8			60	7	10			42	6	4			26	2	2		
01	157	6	2			131	10	4			115	11	9			98	11	7			70	8	10			58	8	6			42	8	6			26	2	2		
02	157	6	2			131	11	4			113	12	9			98	8	8			68	6	8			58	6	4			38	12	4			26	2	2		
03	159	4	4			131	10	4			113	12	10			97	7	7			70	6	8			58	4	6			34	6	4			26	2	2		
04	157	6	4			131	8	6			109	12	8			94	10	6			68	8	4			58	4	4			36	6	6			26	2	2		
05	157	6	4			127	11	4			103	14	14			78	16	18			66	8	4			56	6	6			36	8	6			26	2	4		
06	155	4	4			125	10	6			97	16	23			62	20	4			52	12	4			52	7	10			42	10	4			26	4	2		
07	153	6	5			127	4	11			96	14	17			62	20	4			46	11	2			44	12	6			38	8	4			28	2	4		
08	155	4	6			125	6	12			91	20	17			62	8	4			48	6	5			42	18	6			*39					28	2	2		
09	151	8	0			118	10	12			88	19	15			62	15	4			46	2	6			38	7	7			32	8	4			28	2	4		
10	153	7	6			119	9	13			95	14	24			62	17	3			46	5	4			36	7	3			32	10	4			28	4	2		
11	153	8	5			122	12	12			96	21	22			66	29	8			46	10	6			36	10	4			34	9	6			30	2	3		
12	157	6	5			127	13	11			106	19	34			72	31	12			46	20	4			38	11	6			38	8	10			30	4	2		
13	160	7	5			131	12	12			111	18	32			80	30	22			48	25	4			38	19	4			43	5	11			32	4	2		
14	163	9	6			134	14	11			113	20	32			87	26	28			51	25	5			42	22	6			46	6	12			36	4	4		
15	165	6	6			135	13	11			115	19	26			94	19	36			52	26	6			48	14	12			47	7	7			36	4	2		
16	165	8	6			139	9	15			118	18	29			94	21	35			60	20	12			54	15	14			50	5	6			38	7	2		
17	163	10	4			139	10	17			121	14	27			92	24	30			62	21	11			60	8	13			54	4	6			38	6	4		
18	163	8	6			137	11	17			117	15	21			100	16	17			72	10	10			65	6	12			54	4	4			38	8	6		
19	163	9	5			137	12	14			117	16	14			102	15	10			76	9	8			64	14	9			52	6	2			34	10	4		
20	163	6	4			137	9	9			119	12	13			104	8	11			76	9	6			62	11	6			50	15	2			30	15	3		
21	161	8	5			137	9	10			119	20	14			104	8	12			76	14	8			62	8	8			46	8	2			28	7	4		
22	160	9	5			135	10	8			118	12	11			101	9	8			74	8	6			60	6	7			44	6	6			28	2	2		
23	158	9	3			133	12	6			115	12	9			102	8	10			72	6	8			60	6	8			43	5	5			28	2	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month November 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}^*	D_u	D_ℓ	V_{dm}	L_{dm}
00	162					138					115					104					73					61					39					20				
01	160					138					115					102					71					60					41					20				
02	160					134					115					100					69					57					41					20				
03	160					136					113					98					71					57					35					20				
04	161					134					110					93					71					57					33					20				
05	158					129					96					64					63					57					41					20				
06	156					130					93					60					51					53					41					20				
07	156					129					89					61					44					45					37					22				
08	156										93					60					41					40					33					22				
09	154					123					84					61					41					32					34					23				
10	158					126					88					61					42					35					32					24				
11	159					128					89					64					43					35					33					26				
12	162					132					104					90					46					35					34					26				
13	163					137					113					94					47					39					39					28				
14	166					138					114					92					57					43					43					28				
15	166					138					113					90					57					47					48					30				
16	166					138					116					97					59					51					49					32				
17	166					138					113					95					61					59					53					30				
18	164					137					112					90					77					63					43					30				
19	165					139					113					96					79					67					49					28				
20	164					138					114					102					78					67					49					24				
21	162					139					116					102					76					63					46					22				
22	163					138					115					102					74					61					45					20				
23	162					138					115					103					75					60					40					20				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	159	3	5			132	4	4			114	6	6			93	6	6			53	4	4			49	12	4			34	12	13			23				
01	158	4	5			132	6	5			116	7	8			91	9	10			53	7	5			52	9	6			31	12	13			23				
02	159	3	6			132	6	6			116	7	11			91	8	9			54	6	6			50	10	4			35	9	16			24				
03	158	6	5			132	7	3			115	7	7			89	10	8			53	6	6			51	11	5			26	16	9			23				
04	157	6	4			132	5	6			116	6	6			89	8	13			54	6	10			52	11	7			27	14	9			23				
05	159	3	6			130	6	4			104	6	8			73	12	6			52	9	5			48	13	7			26	13	9			24				
06	157	7	4			126	6	6			93	13	11			63	10	4			47	6	8			46	7	6			27	12	12			23				
07	155	5	4			124	6	10			88	18	6			63	14	4			45	7	8			40	6	11			31	10	11			23				
08	153	6	2			120	8	12			90	14	10			63	14	6			43	6	15			31	13	17			29	13	10			23				
09	*155					*117					*88					*65					40					28					27					23				
10	151	8	5			113	11	7			88	18	6			62	31	6			34					23					25					24				
11	155	3	6			119	9	7			98	4	10			65	24	10			36					28	8	12			23	28	5			25				
12	156	4	5			122	8	7			94	20	10			67	24	10			31	15	10			24	14	8			21	16	5			25				
13	157	5	6			124	10	6			94	22	6			65	24	8			33	11	8			27	10	10			19	18	2			29				
14	157	7	6			124	8	6			96	20	10			65	27	10			35	6	12			28	9	10			23	5	5			31				
15	157	7	4			129	8	10			92	24	8			67	21	12			35	6	10			36	14	11			28	5	4			27				
16	157	6	4			126	8	10			92	23	12			65	18	8			37	8	9			39	10	11			33	11	4			27				
17	157	7	4			126	10	10			94	22	10			68	19	7			41	7	7			44	8	8			35	8	6			31				
18	156	10	6			124	10	4			106	10	14			83	13	6			47	7	8			51	10	8			36	9	3			29				
19	157	4	5			128	6	4			109	7	7			91	5	8			53	4	6			52	9	4			41	8	9			29				
20	157	4	4			132	2	7			112	6	5			93	4	11			53	6	7			52	8	4			37	20	9			29				
21	157	5	4			132	3	7			112	7	6			91	6	6			52	4	2			52	9	6			37	11	13			29				
22	158	3	3			132	4	6			113	6	5			91	8	6			52	5	2			51	7	6			34	14	9			29				
23	159	5	4			132	4	5			115	10	5			93	2	9			52	4	3			52	6	6			33	12	11			29				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9N Long. 6.8 W Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	3	4			128	4	6			113	4	6			86	6	5			49	3	8			44	6	2			25	13	8			21	2	2		
01	152	4	8			128	4	7			111	6	6			84	7	3			48	5	7			46	7	4			25	9	6			19	2	2		
02	152	4	5			128	4	9			113	4	10			84	6	5			48	5	7			47	6	7			25	8	7			19	2	3		
03	152	4	6			128	4	9			111	7	7			84	2	4			47	7	9			44	8	7			27	13	9			19	2	4		
04	151	5	3			128	2	8			113	4	8			82	6	5			47	6	12			46	9	8			25	15	6			19	2	4		
05	152	4	9			126	4	6			105	8	10			76	8	8			45	7	9			42	8	6			21	20	8			19	4	4		
06	152	3	5			124	6	7			91	8	8			72	10	6			38	13	7			40	9	9			24	14	9			21	5	6		
07	150	2	6			118	6	6			88	9	9			60	8	6			33	11	9			32	12	14			20	9	5			21	5	5		
08	150	6	8			114	7	10			90	8	15			64	6	8			29	6	6			19	15	7			*21					*21				
09	*150					*114					*83					*55					*27					*14					*21					*23				
10	148	2	4			112	9	6			87	10	8			54	10	2			*29					*14					20	6	9			24	5	7		
11	148	5	2			112	10	2			91	8	4			56	6	4			*32					12	7	2			25	8	6			23	4	6		
12	148	6	4			114	8	4			87	10	4			58	4	6			31	4	4			12	7	4			25	9	5			25	3	4		
13	150	2	4			118	6	4			88	13	7			56	12	4			33	5	4			12	8	2			19	5	4			27	3	6		
14	150	4	2			118	4	4			86	12	8			58	15	6			39	2	11			14	10	6			17	11	2			29	1	6		
15	152	2	4			118	4	6			85	15	8			58	12	6			34	7	3			26	4	12			23	7	3			26	6	3		
16	150	2	2			116	6	6			87	13	8			60	15	7			41	3	6			32	14	8			25	8	3			27	4	5		
17	150	2	4			116	6	4			98	5	8			76	9	12			41	4	4			38	14	5			28	5	6			23	6	3		
18	150	2	6			120	6	4			107	5	7			84	3	6			47	3	8			40	10	4			26	8	3			21	5	2		
19	150	2	4			124	4	5			107	7	6			84	7	2			47	6	7			42	9	6			24	10	4			21	3	5		
20	150	2	3			124	4	6			107	4	7			85	5	3			47	4	8			42	8	5			25	6	4			21	3	2		
21	152	2	7			126	4	6			109	8	8			86	4	4			47	4	7			44	6	8			27	5	6			21	4	3		
22	152	2	6			126	4	6			113	6	12			86	5	7			49	3	7			44	10	5			27	5	7			19	5	2		
23	152	2	7			128	2	6			111	5	9			86	5	5			47	6	7			44	8	5			25	11	7			20	4	3		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month November 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	2	5			128	5	3			113	4	4			85	8	8			44	10	6			53	2	10			22	5	7			*15				
01	153	3	7			126	9	6			113	8	5			87	8	8			46	6	8			51	4	8			21	8	8			*13				
02	153	2	4			128	5	6			113	4	4			85	10	8			44	9	8			51	4	10			21	8	6			*13				
03	153	2	5			128	4	4			113	4	7			87	6	9			42	12	6			51	6	11			22	7	9			*13				
04	153	3	6			129	7	7			113	3	5			81	10	10			44	6	6			55	6	14			21	10	10			*14				
05	153	3	5			129	4	8			113	4	8			81	6	10			44	6	8			49	8	9			17	11	8			*13				
06	151	6	4			124	7	9			99	9	6			72	15	13			42	8	6			49	4	10			19	8	12			*15				
07	150	5	3			118	6	11			97	9	9			65	11	12			37	11	8			45	6	9			21	8	8			15	6	3		
08	149	4	4			112	14	10			99	7	9			61	20	4			34	5	6			33	11	7			22	4	12			*17				
09	*151					*112					*94					*61					*32					*27					*20					*17				
10	149	6	4			109	13	6			95	14	11			59	15	5			32	6	2			27	6	6			17	6	3			19	22	6		
11	149	5	4			114	8	11			97	6	10			58	19	7			36	4	4			25	8	4			15	6	4			19	4	6		
12	149	3	6			109	13	4			95	12	8			57	21	4			36	2	7			25	8	4			15	6	5			19	3	7		
13	149	4	6			112	11	6			97	4	7			61	17	8			34	4	2			23	5	2			17	4	6			19	8	4		
14	149	4	4			112	13	9			95	9	14			56	21	5			38	4	6			25	8	4			21	4	11			19	4	9		
15	151	4	8			110	14	8			95	8	12			*57					38	4	8			30	10	8			21	8	9			19	5	5		
16	149	4	6			108	8	6			91	15	6			67	20	10			39	7	7			33	14	4			24	9	10			17	7	5		
17	149	4	4			114	12	7			99	7	6			78	9	8			34	12	6			45	8	6			23	6	4			17	4	7		
18	149	4	4			120	6	6			105	7	8			82	6	7			38	13	4			47	8	5			21	13	4			15	6	9		
19	151	4	3			124	4	9			107	4	6			84	6	7			42	8	6			48	7	7			23	7	4			*16				
20	153	1	7			124	4	6			109	6	8			87	8	8			44	8	6			51	6	8			23	7	4			*19				
21	153	2	2			124	4	2			111	4	3			87	4	8			44	9	5			53	2	8			25	5	6			*13				
22	153	2	4			126	4	4			111	5	5			85	6	7			44	6	4			53	4	13			22	7	5			*14				
23	153	2	4			126	6	3			111	5	4			87	8	7			44	12	4			53	4	9			21	5	4			13	10	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Saõ José, Brazil Lat. 23.3 S Long. 45.8 W Month September 19 63

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	128	6	12			121	8	11			105	8	17			91	7	18			69	6	13			67	6	13			52	22	12			27	19	4		
01	127	8	9			122	7	5			109	4	24			92	4	20			69	5	13			58	11	13			47	23	8			27	15	4		
02	121	13	6			121	8	10			105	8	15			90	8	18			71	5	8			63	6	14			49	16	14			25	21	3		
03	127	9	8			122	8	6			107	8	22			92	8	12			69	6	19			55	14	8			45	22	8			23	19	2		
04	126	10	10			121	7	11			103	12	14			89	9	11			71	4	14			61	12	12			42	22	9			24	15	3		
05	126	11	11			122	10	10			103	8	26			90	7	25			65	10	11			57	14	10			43	18	12			23	12	2		
06	122	8	12			108	13	14			83	14	9			80	10	9			61	11	9			64	8	20			46	10	3			25	15	4		
07	120	11	14			105	14	8			83	14	9			82	9	14			52	13	13			55	9	18			45	8	10			25	16	4		
08	119	9	15			108	12	10			83	18	9			86	5	13			*45					51	11	18			45	8	8			25	15	4		
09	113	16	14			*106					*83					86	6	12			35	18	6			45	11	17			45	6	18			23	8	2		
10	*113					111	15	11			81	7	9			90	4	15			*34					*44					*43					*27				
11	*112					*101					*79					84	10	10			31	26	6			41	8	16			41	5	12			25	22	4		
12	112	14	10			98	14	8			79	11	8			86	7	12			33	22	8			*40					*41					*29				
13	113	8	9			*102					*78					*82					33	18	11			37	14	18			41	4	12			28	17	6		
14	116	8	14			103	11	11			85	6	21			90	5	20			*37					*43					*44					*31				
15	119	5	11			*101					*83					*90					*31					43	15	21			42	6	9			31	17	6		
16	*116					104	9	11			79	12	4			90	5	12			*35					*48					*47					*33				
17	117	12	11			110	13	18			*85					90	6	8			*43					*53					49	6	9			33	18	9		
18	118	14	16			112	13	15			90	17	15			86	8	16			60	11	8			62	13	20			52	14	10			33	19	9		
19	124	11	13			116	11	9			97	12	14			88	10	19			63	14	12			55	20	12			53	8	6			35	22	5		
20	124	13	11			118	11	12			99	16	14			86	14	11			67	12	13			*63					53	12	6			37	16	10		
21	128	4	16			120	6	8			103	10	6			*92					69	8	17			57	18	10			53	13	6			*34				
22	127	9	13			118	9	8			105	9	13			90	10	10			*70					65	13	18			52	11	7			35	16	12		
23	126	8	2			124	9	12			107	9	21			92	8	16			68	10	14			65	12	17			49	10	5			31	16	7		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Saõ José, Brazil Lat. 23.3 S Long. 45.8 W Month October 19 63

Frequency (Mc)

Hour (LST)	.051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	136	15	6			126	8	8			111	7	12			97	5	5			67	8	16			68	18	7			46	13	10			35	11	4		
01	136	4	8			124	9	6			110	9	8			94	8	7			66	13	15			64	13	9			45	13	13			33	5	2		
02	136	5	10			124	7	9			108	11	7			96	8	7			65	12	12			63	15	7			44	11	13			33	10	4		
03	138	5	10			126	5	11			109	10	10			98	6	10			67	10	14			68	10	11			45	16	15			31	8	2		
04	138	5	11			126	4	13			107	11	12			97	4	13			65	10	13			67	13	11			42	13	12			31	4	2		
05	136	3	15			115	10	13			101	8	28			88	7	14			67	8	15			68	12	6			39	16	8			31	6	2		
06	130	6	16			108	11	18			85	18	13			85	6	12			55	10	18			64	11	14			43	11	15			33	4	6		
07	130	4	14			114	8	18			91	19	16			82	13	10			47	8	15			56	12	12			46	8	13			33	4	4		
08	124	11	11			108	10	11			89	12	16			*78					34	19	9			48	13	14			37	12	18			*31				
09	*122					*108					*87					82	21	8			*29					*40					*33					*31				
10	124	6	15			108	16	13			87	8	14			85	19	8			*27					*42					36	11	17			*30				
11	126	14	13			108	21	11			89	11	16			86	21	6			33	28	8			39	13	12			37	8	18			*31				
12	126	7	11			108	27	15			93	10	17			90	19	6			31	25	4			40	11	4			39	8	16			*33				
13	128	9	9			114	11	12			95	18	19			89	15	10			37	25	12			44	11	9			35	8	9			*37				
14	130	10	2			116	13	6			99	21	23			90	11	16			49	20	18			50	15	8			39	8	10			*37				
15	132	16	8			116	22	10			105	20	19			92	18	13			53	19	25			64	3	22			39	17	7			*40				
16	132	14	4			120	19	12			103	17	18			88	18	12			61	14	29			61	12	19			42	15	7			45	4	8		
17	136	13	9			118	15	8			104	18	19			88	20	6			55	26	12			68	10	10			45	14	7			*42				
18	135	13	9			116	38	6			102	23	9			92	22	5			65	19	12			73	8	11			49	13	9			50	9	10		
19	134	17	8			120	20	4			107	15	12			94	14	6			71	16	13			73	9	10			51	8	11			49	18	11		
20	136	15	6			124	11	7			108	13	9			98	6	14			71	14	13			75	8	13			50	8	12			*50				
21	136	9	6			125	6	7			109	9	5			96	6	9			71	8	10			75	6	9			47	13	10			41	13	8		
22	138	5	9			128	7	11			111	10	9			96	9	7			69	9	14			72	9	8			46	12	7			37	8	6		
23	135	8	4			126	8	8			109	9	4			98	6	8			65	11	15			68	15	6			51	7	15			36	14	7		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month November 19 63

Hour (LST)	Frequency (Mc) .051					.113					.246					.545					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	139	7	7			120	12	10			101	12	12			92	12	19			74	5	7			63	17	8			40	10	16			29	4	5		
01	139	6	9			120	13	18			102	9	16			94	17	18			72	10	6			56	15	8			38	13	17			29	8	5		
02	139	6	13			118	15	26			101	12	13			93	10	28			70	10	7			56	13	11			38	10	14			27	5	5		
03	139	4	12			118	14	16			99	12	14			94	14	21			72	9	7			55	20	8			39	14	13			25	2	3		
04	139	5	14			118	13	23			97	15	12			86	18	15			74	5	12			55	15	10			35	13	11			25	4	3		
05	131	6	8			104	14	16			*85					80	11	11			68	8	13			57	16	12			34	15	13			27	5	5		
06	129	8	12			104	18	12			81	12	14			84	9	7			60	9	16			51	14	12			34	13	12			29	4	4		
07	127	8	16			*106					*81					84	11	8			50	10	14			44	18	7			26	15	8			27	4	4		
08	123	12	14			100	17	13			77	14	12			83	6	7			40	17	5			35	13	6			28	13	7			25	4	4		
09	123	14	17			*98					*75					83	9	14			38	12	6			34	11	8			28	9	7			25	2	4		
10	125	9	15			98	19	11			75	14	12			86	7	9			38	10	5			27	21	4			28	11	8			26	5	5		
11	127	10	17			98	22	10			80	27	15			84	14	16			40	10	6			30	15	7			26	12	5			25	8	4		
12	131	17	15			106	20	16			81	35	14			88	19	24			44	23	10			31	23	4			28	24	6			28	15	7		
13	135	17	10			116	20	24			102	13	25			96	13	27			46	42	12			*53					30	17	8			31	13	7		
14	140	13	10			116	24	15			99	18	20			94	17	19			66	20	30			49	18	21			34	20	16			35	9	8		
15	140	20	14			119	17	19			102	14	20			92	19	8			70	20	32			49	16	12			39	21	17			35	10	6		
16	143	8	26			125	14	19			103	16	17			93	19	16			70	18	28			53	19	12			40	14	16			36	9	11		
17	140	11	10			119	11	12			96	21	13			91	19	12			68	14	14			56	13	7			44	13	20			37	10	10		
18	141	13	11			120	12	13			99	20	15			94	19	15			72	13	12			59	18	6			44	10	24			39	13	12		
19	139	10	11			122	13	17			103	26	13			98	16	27			76	12	8			60	17	5			44	9	21			39	11	10		
20	141	8	12			120	11	31			99	12	11			92	12	19			77	9	7			62	19	5			43	9	21			39	11	16		
21	139	8	7			120	13	7			105	8	13			96	8	16			76	8	6			59	20	6			42	9	20			38	5	11		
22	139	7	5			120	12	23			101	10	9			93	11	17			74	8	4			57	16	4			40	10	17			29	8	6		
23	139	8	7			118	16	14			101	11	9			94	10	12			72	9	5			61	20	6			36	13	13			27	6	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	161	7	3	*7.0	*12.0	141	6	2	7.5	12.5	121	6	6	7.5	13.5	97	6	9	6.0	12.5	63	5	6	7.0	12.0	57	4	6	5.0	8.5	46	6	10	3.5	7.5	25	1	3	1.5	3.0
01	162	8	4	7.0	12.5	143	4	4	7.0	12.5	123	4	6	8.0	13.0	97	7	5	7.0	15.0	65	5	7	6.5	13.0	55	9	4	5.0	9.0	42	11	10	4.0	6.0	23	2	1	2.0	3.0
02	162	9	2	8.0	14.0	143	5	6	8.0	13.5	123	6	5	7.0	16.0	98	7	5	7.0	15.0	66	5	6	6.0	11.0	55	9	3	5.5	10.0	40	6	8	2.0	4.0	23	2	1	1.0	3.0
03	164	4	4	*8.0	*13.5	143	5	6	8.5	15.0	124	5	7	9.0	18.0	99	6	7	7.0	15.0	66	7	3	6.0	11.5	53	6	8	5.0	9.5	38	8	7	3.0	5.0	23	2	2	1.0	3.0
04	163	7	5	*8.0	*14.0	141	7	6	10.0	18.0	122	6	5	10.0	19.0	99	4	10	7.5	18.0	66	6	8	5.5	11.5	51	10	7	5.5	8.5	38	5	8	2.0	4.0	23	2	0	1.5	3.0
05	164	6	6	9.5	16.0	143	5	7	10.0	17.5	120	7	11	10.5	21.5	93	7	14	9.0	17.0	65	8	12	7.0	13.0	51	8	6	5.0	8.5	37	13	7	3.5	5.5	23	2	0	1.5	3.0
06	161	7	3	9.0	16.0	130	10	8	13.0	22.0	115	13	19	12.5	24.5	93	9	19	8.0	18.0	57	4	10	6.5	14.0	54	5	7	5.5	9.0	50	4	5	2.0	4.5	23	4	1	3.5	5.0
07	160	10	4	*10.0	*16.0	134	9	11	12.5	23.0	115	9	26	9.5	20.5	87	10	8	7.0	14.0	51	6	18	9.0	17.5	49	6	11	6.5	11.0	44	9	9	3.0	7.0	25	4	3	2.0	4.0
08	161	9	7	*10.5	*18.0	133	13	13	9.0	17.5	112	19	22	17.0	28.5	86	20	16	5.5	13.0	43	17	13	12.0	19.0	45	5	18	10.0	17.0	42	6	8	5.5	9.0	23	6	2	2.0	3.5
09	158	10	4	*10.5	*19.0	133	10	12	13.5	24.0	105	19	18	15.0	27.0	81	27	11	9.0	20.0	40	21	13			35	9	10	8.5	13.5	40	7	11	7.0	10.0	23	5	2	3.0	4.5
10	158	9	5	*14.0	*23.5	133	12	12	14.0	21.0	103	29	12	14.0	26.0	83	27	8	9.0	18.5	36	23	11	8.0	13.0	35	10	10	9.5	15.5	32	12	6	4.0	6.5	22	11	1	2.0	4.0
11	159	9	5	*13.5	*22.0	131	16	9	13.0	22.0	105	25	13	13.0	24.0	86	26	11	10.0	21.5	33	33	5	12.0	20.0	31	17	8			32	12	6	5.0	8.0	23	14	2	2.0	3.5
12	160	14	4	*11.5	*19.5	136	17	13	12.5	20.5	109	26	18	14.0	22.5	90	28	20			39	34	14	9.5	18.5	33	32	8	13.0	20.5	40	14	8	9.0	15.0	25	22	3	8.0	13.0
13	162	15	5	*11.5	*19.0	136	21	10	11.5	20.0	109	29	12	11.5	21.0	97	22	24	9.0	17.0	49	26	22	10.0	18.0	42	23	15	10.5	19.0	42	8	9	7.0	11.5	27	12	4	1.5	12.5
14	164	11	4	*10.0	*17.5	141	13	10	9.5	19.0	115	16	10	8.5	17.5	97	23	16			55	24	24	9.5	18.0	55	10	24			44	6	10	8.0	14.0	26	14	4	9.5	14.5
15	165	10	3	*11.0	*18.0	143	12	7	11.0	22.0	120	15	11			99	18	11	13.5	24.0	55	22	14	8.0	15.5	48	14	16	9.0	16.0	44	8	6	5.5	10.0	27	12	2	3.5	5.5
16	166	7	4	*9.0	*16.0	143	11	13	11.0	19.0	118	15	12	10.0	20.0	90	26	8	13.5	22.0	57	16	18	9.5	16.0	48	14	8	9.0	15.0	46	8	3	2.5	5.0	28	9	2	2.0	5.0
17	166	5	6	*8.5	*15.0	143	5	11	10.0	18.5	116	12	8	12.5	22.5	93	15	6	8.0	17.0	53	16	11	12.5	13.5	53	6	4	6.0	10.0	50	8	3	2.0	4.5	29	7	3	3.0	7.0
18	162	8	2	*8.0	*13.0	142	7	7	9.0	18.0	121	9	6	8.0	14.5	96	12	5	7.5	16.0	61	7	6	5.0	5.0	57	6	3	4.0	7.5	50	6	4	3.0	5.5	29	7	4	4.0	7.0
19	164	6	4	*8.5	*14.0	141	8	2	9.0	17.0	121	7	3	6.5	12.5	97	7	2	6.0	12.0	63	6	7	5.0	10.0	59	4	5	4.0	7.5	50	8	3	3.0	5.0	27	3	2	2.5	5.0
20	162	4	4	*8.0	*14.0	141	6	4	9.0	16.0	121	6	4	8.0	16.5	97	8	6	7.0	13.0	61	4	4	5.0	10.0	59	5	3	5.0	8.0	52	7	6	3.0	5.5	28	2	4	3.0	5.5
21	162	4	4	*8.5	*14.0	141	4	4	10.5	18.5	119	8	4	9.0	17.0	95	6	4	6.5	12.5	62	7	5	4.0	8.0	59	4	5	4.5	8.5	52	4	4	3.0	5.5	28	7	4	3.0	6.0
22	162	5	4	*7.5	*11.5	141	5	4	8.5	14.5	121	8	6	7.5	14.5	97	7	8	7.0	14.0	61	7	4	5.5	10.5	61	5	6	4.5	9.0	50	4	4	3.0	5.5	27	2	3	2.0	4.0
23	162	6	4	*6.0	*11.5	141	5	4	7.0	12.0	121	6	5	8.0	15.5	97	4	8	7.0	13.0	63	5	7	7.0	13.0	57	4	17	5.5	10.5	48	6	2	2.0	4.5	25	2	3	1.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month October 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	163	2	4	9.0	15.0	142	4	4	10.5	16.0	122	4	6	10.0	17.0	99	4	6	8.0	15.5
01	163	4	4	11.0	15.0	142	4	4	10.5	17.5	122	4	6	9.5	18.0	99	5	7	9.5	19.5
02	163	3	4	11.5	17.0	142	2	6	11.0	18.0	120	6	6	10.0	19.0	99	4	8	10.0	18.5
03	163	3	6	11.5	17.0	142	4	6	12.0	19.5	122	4	6	12.5	20.5	99	4	7	*9.0	*17.0
04	163	4	7	11.0	17.0	142	4	6	13.0	19.5	120	7	6	*13.0	*22.5	98	7	5	12.0	21.5
05	161	6	5	9.0	14.0	140	6	6	13.5	21.0	116	8	5	*14.0	*24.5	91	11	7	*12.0	*24.0
06	161	4	5	12.0	19.5	136	6	9	15.0	22.5	113	8	21	*16.5	*29.0	89	14	13	*16.0	*28.5
07	159	6	9	12.5	19.0	133	5	9	16.5	26.0	109	11	12	*18.0	*30.0	87	12	12	*17.5	*28.0
08	159	4	8	14.0	23.5	132	7	9	17.5	28.0	108	12	27	*16.5	*29.0	85	13	14	*17.0	*30.0
09	159	2	10	15.0	23.0	132	4	15	17.0	27.0	*105			*18.0	*29.0	85	12	16	*15.0	*22.0
10	157	5	6	*14.5	*21.5	130	8	14	*17.0	*27.0	*102			*18.0	*29.0	*86			*15.5	*26.0
11	157	8	10	*15.0	*23.0	131	5	16	*13.5	*26.0	114	12	28	*16.5	*29.0	87	23	17	*14.0	*27.0
12	161	6	11	*15.5	*24.5	138	14	20	*16.5	*30.0	116	11	22	*18.0	*29.0	93	18	22	*20.0	*30.5
13	163	8	9	13.5	22.0	141	9	16	*14.5	*23.0	122	11	26	*15.5	*26.0	100	21	26	*15.5	*26.0
14	165	4	11	*13.0	*21.0	144	8	15	*13.0	*23.0	120	14	20	*13.5	*24.0	101	12	13	*13.5	*24.5
15	165	6	6	12.0	21.5	142	6	13	*11.5	*21.0	118	10	15	*12.5	*23.0	97	10	11	*13.0	*22.0
16	165	4	8	11.0	18.0	142	6	8	*12.0	*20.5	116	8	12	*11.5	*24.0	99	9	6	*11.0	*20.0
17	163	5	7	9.0	17.0	141	5	9	13.5	23.0	116	8	16	*12.0	*20.5	97	8	11	*10.0	*19.0
18	163	6	8	11.0	18.0	140	8	4	12.5	21.0	121	7	14	9.5	17.0	101	3	6	*9.5	*14.5
19	163	5	6	*10.5	*16.5	142	6	4	11.5	19.5	122	6	13	*10.0	*17.0	99	6	6	7.5	15.0
20	162	4	7	9.5	15.0	142	4	6	11.0	19.5	120	8	12	*9.0	*17.5	99	6	6	7.5	15.0
21	161	5	5	9.0	13.0	142	4	6	11.0	19.0	120	6	11	*9.5	*17.0	99	4	8	9.0	17.5
22	161	6	6	9.0	13.0	141	7	5	12.0	19.0	120	8	11	*11.0	*18.5	97	7	6	8.0	16.5
23	163	4	5	9.0	13.5	142	6	6	9.5	15.5	120	6	10	*10.0	*17.5	99	4	6	*9.0	*17.0

Hour (LST)	2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	65	4	10	*7.0	*15.5	63	12	10	7.0	11.5	43	6	11	*5.0	*7.0	27	3	4	*2.5	*3.5
01	65	5	7	8.0	15.0	63	8	8	6.0	10.5	41	7	9	4.5	6.5	25	3	2	1.0	2.5
02	65	8	7	8.0	16.0	63	8	8	7.0	12.0	39	7	8	5.0	8.5	25	3	2	*1.5	*3.0
03	65	8	6	8.0	14.5	63	9	10	6.5	11.0	33	16	3	*3.5	*6.0	25	3	2	*1.5	*3.0
04	65	8	11	*8.0	16.0	59	7	10	7.0	11.5	32	5	5	*2.0	*4.0	25	3	2	*1.0	*2.5
05	65	6	13	9.0	17.5	57	6	18	7.0	10.0	35	4	6	*3.0	*5.5	25	3	2	*1.5	*2.5
06	53	8	7	*10.0	*19.0	57	9	14	*7.5	*12.5	45	4	10	*5.0	*7.5	27	2	4	*4.5	*8.0
07	47	9	9	*12.0	*22.0	51	8	19	*11.0	18.0	45	4	10	*3.0	*6.5	27	2	4	*2.0	*4.5
08	39	12	4	*11.0	*21.0	45	10	8	*11.0	18.5	41	6	12	7.0	11.0	26	5	3	*2.0	*5.0
09	35	10	6	*9.0	*13.0	39	9	10	*4.5	11.0	35	7	15	*6.0	*9.0	25	4	2	*2.5	*4.0
10	33	14	8	*12.0	*16.0	37	15	6	*7.0	11.0	35	6	15	*5.0	*8.5	25	6	2	*2.0	*3.0
11	35	15	8	*11.0	*14.5	39	11	12	*8.5	13.0	35	8	15	*4.0	*4.5	27	9	4	*3.5	*4.5
12	43	18	16	*16.0	*30.0	39	20	14	*9.0	12.0	39	10	14	*7.5	*12.5	30	11	7	*8.0	*11.5
13	46	20	19	*10.5	*18.0	46	23	14	*10.0	19.0	37	16	10	*5.5	*8.5	28	16	5	*1.5	*5.0
14	45	28	16	*6.5	*10.0	49	14	12	*9.0	17.0	41	12	11	*6.0	*8.5	29	10	6	*2.5	*5.5
15	49	12	16	*9.0	*17.0	49	10	16	*7.0	14.0	45	6	10	5.5	9.5	30	5	6	*3.0	*5.5
16	49	9	11	*9.5	*16.0	55	5	19	*6.5	*13.5	47	4	11	5.0	8.0	31	6	7	*3.0	*5.5
17	53	6	12	*7.5	*15.5	59	5	10	7.0	11.5	49	3	12	3.0	5.0	30	7	6	*2.0	*5.0
18	61	4	8	*6.5	*14.0	63	8	11	5.5	10.5	47	7	10	*5.0	*8.0	27	6	3	*2.0	*4.0
19	65	4	12	6.0	12.0	65	6	13	5.0	8.5	51	6	14	*3.5	*7.5	28	5	5	2.0	4.0
20	65	3	9	8.5	14.0	65	8	12	*5.0	*9.0	51	8	16	*6.0	*10.0	29	4	6	*3.0	*5.0
21	63	6	10	*7.0	*14.5	63	11	12	6.0	11.0	51	4	14	3.5	6.0	31	4	8	*3.0	*4.5
22	63	6	10	8.0	15.0	65	12	14	6.0	11.0	51	3	14	3.5	5.5	31	4	8	3.5	5.0
23	65	4	13	8.0	15.0	65	9	10	5.5	10.5	47	6	12	3.5	7.0	27	4	4	*2.0	*3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month November 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	166	2	5	11.5	18.0	147	5	5	11.5	19.5	125	4	5	10.5	18.5	99	6	3	*8.0	*17.0	69	3	4	6.0	12.0	61	2	8	6.0	10.0	44	10	6	*4.0	*6.5	22	2	0	1.0	3.0
01	164	5	4	11.5	18.0	146	4	5	11.0	19.0	125	4	4	10.0	19.0	101	4	4	9.5	18.0	71	2	6	7.5	12.5	59	4	4	*4.5	*8.5	40	9	4	4.0	7.0	22	2	2	1.5	3.0
02	166	3	5	11.0	17.5	148	2	6	11.0	18.5	125	4	4	10.5	18.5	101	4	5	9.0	19.0	71	3	4	7.5	13.0	59	4	14	*4.5	*8.0	40	6	6	4.5	8.0	22	2	0	*1.0	*3.0
03	166	3	5	11.5	18.0	146	4	4	11.5	19.5	125	4	6	11.0	19.0	99	6	5	9.5	19.0	71	3	4	7.0	13.0	59	4	8	5.5	9.5	38	6	4	3.5	5.5	22	2	0	*1.0	*2.5
04	166	2	4	11.0	17.5	146	3	6	11.5	19.5	124	3	5	*10.0	*19.0	99	4	6	*12.0	*20.5	71	2	4	7.0	13.5	57	6	7	6.0	10.5	38	6	6	3.5	5.0	22	2	2	*1.0	*3.0
05	165	3	3	10.5	16.5	144	4	6	12.0	20.0	119	4	6	13.5	22.0	89	12	6	*12.5	*22.0	69	4	3	*7.0	*13.0	56	6	12	*5.5	*9.0	38	4	4	5.0	7.0	22	2	0	2.0	4.0
06	164	2	4	11.5	18.5	138	6	4	13.0	21.0	111	14	8	*15.5	*25.5	83	10	8	*13.0	*22.0	57	7	4	*9.0	*15.0	57	3	11	*6.0	*11.0	46	8	4	*4.0	*8.0	24	2	2	*3.0	*6.0
07	162	2	3	13.0	21.0	136	8	6	14.5	24.0	108	11	9	16.0	27.0	84	15	13	*14.5	*25.0	51	6	8	*11.0	*16.5	49	4	13	*8.0	*13.0	48	10	6	4.5	8.0	24	2	2	*2.0	*4.5
08	162	4	4	14.0	22.0	136	6	8	*16.0	*25.0	107	6	10	*15.5	*25.5	81	10	8	*16.0	*28.0	42	11	7	*8.0	*13.5	41	10	10	*8.0	*14.5	44	6	6	*6.0	*10.0	24	2	2	*2.0	*4.5
09	162	4	6	14.5	23.0	134	8	4	*15.5	*25.5	108	10	10	*15.0	*26.0	81	12	10	*14.0	*23.0	39	9	5	*11.0	*15.0	41	4	9	*8.5	*14.0	42	5	6	*6.0	*12.0	24	1	2	*3.0	*5.0
10	162	4	6	14.0	23.0	134	8	8	*15.5	*24.5	109	7	11	*14.5	*25.5	83	23	12	*14.0	*25.5	36	6	6	*11.0	*16.0	37	8	7	*8.0	*13.5	40	3	6	*6.5	*10.5	22	8	0	3.0	5.0
11	162	6	4	13.5	23.0	137	7	5	*14.5	*23.5	113	12	9	*15.0	*26.0	91	18	8	*11.5	*20.5	36	17	7	*7.0	*12.0	31	9	2	*7.5	*12.0	40	4	6	*8.5	*12.0	24	4	2	2.5	4.5
12	164	4	4	14.5	23.0	139	9	3	*13.5	*21.5	121	9	10	*13.0	*22.0	99	16	16	*12.0	*19.0	39	14	6			39	12	9	*11.5	*18.5	41	13	4	*6.5	*12.0	28	10	4	*4.5	*8.0
13	166	2	4	12.0	19.0	145	7	6	*12.0	*21.0	123	14	6	*11.0	*22.0	103	12	6	*11.0	*19.5	49	16	12			45	15	6	*7.5	*14.0	46	6	4	*7.0	*12.0	28	7	4	*6.0	*13.0
14	166	6	2	12.5	20.0	146	9	4	*13.0	*22.0	125	12	5	*11.5	*20.5	105	12	8	*13.5	*24.0	52	24	8	*10.5	*16.0	49	15	5	*10.5	*17.0	48	6	4	*7.0	*12.0	30	14	2	*4.5	*7.5
15	168	5	2	12.5	20.5	146	8	4	12.0	20.0	123	10	2	*12.0	*20.0	101	14	6	10.0	18.0	53	23	8			49	13	4	*6.5	*12.5	50	6	4	*3.5	*7.0	30	6	5	*3.0	*6.0
16	168	3	4	12.0	20.0	146	6	3	11.5	20.0	123	7	6	*12.5	*21.0	101	8	7	11.0	20.0	59	8	8	*10.0	*17.0	55	5	7	*6.0	*12.0	50	4	4	4.5	8.0	30	4	4	*2.0	*5.0
17	166	2	4	11.0	19.0	145	6	4	*12.0	*21.0	123	4	6	12.0	23.0	101	4	6	7.5	14.0	63	5	5	*6.0	*12.0	57	3	3	*6.0	*10.0	50	4	2	4.0	8.0	28	6	4	3.0	6.0
18	166	2	5	12.0	20.0	146	3	3	10.0	18.0	125	4	4	8.5	16.5	103	4	8	*5.5	*12.5	68	3	3	6.5	12.0	61	2	4	*4.5	*8.5	50	6	2	5.0	8.0	26	2	3	2.5	4.5
19	164	4	2	11.5	19.0	146	3	4	11.0	19.5	125	3	5	10.0	18.0	101	6	6	7.5	15.0	69	2	2	6.0	11.0	59	4	4	*6.0	*10.0	48	6	4	4.5	7.5	26	2	4	2.5	5.0
20	164	4	3	11.0	17.0	146	2	4	11.5	20.0	125	3	5	10.0	18.0	101	5	5	8.0	16.0	67	4	2	7.0	13.5	61	2	4	*5.0	*9.5	51	4	3	5.0	9.0	26	7	2	2.5	5.0
21	164	2	4	10.5	16.0	146	6	4	11.0	19.0	125	4	7	10.0	18.5	101	6	5	*8.0	*16.0	67	2	4	7.0	12.5	61	2	4	5.5	10.0	52	4	2	*5.0	*8.0	29	2	3	3.5	6.0
22	164	4	4	11.0	18.0	146	4	6	12.0	19.5	125	4	4	9.5	18.0	101	3	6	7.5	15.5	68	3	5	7.5	13.0	61	4	2	*6.0	*11.0	50	4	4	*4.0	*8.0	26	3	2	3.0	5.0
23	166	4	6	12.0	18.5	146	6	4	11.5	19.0	127	2	7	10.5	18.5	101	2	6	9.5	16.5	67	6	2	*7.5	*13.0	61	2	4	6.5	11.5	46	8	4	3.5	7.0	24	2	2	*2.0	*4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month September 19 63

Hour (LST)	Frequency (Mc) .013					.051					.160					.495																																		
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	166	8	6			142	13	6			118	10	8			99	11	6																														
01	166	6	6			142	9	8			118	8	6			101	11	10																														
02	166	7	6			142	10	8			118	10	8			99	10	8																														
03	166	7	6			142	9	8			120	9	10			99	12	8																														
04	164	12	4			142	10	8			120	10	12			97	12	8																														
05	164	8	4			140	8	8			116	12	16			85	20	13																														
06	164	6	6			136	12	8			114	14	20			85	21	10																														
07	164	4	6			136	12	8			114	16	22			89	18	14																														
08	164	6	6			136	12	10			*115					*89																																
09	164	5	5			131	12	5			113	10	25			*83																																
10	164	2	6			135	7	11			110	13	24			85	22	12																														
11	164	4	6			134	8	10			110	10	24			83	19	11																														
12	166	4	6			136	7	10			112	10	24			85	19	12																														
13	166	4	6			136	10	10			112	13	22			85	18	14																														
14	166	6	6			136	12	8			114	12	18			87	15	14																														
15	167	7	6			137	13	11			114	14	14			87	20	12																														
16	167	5	6			137	13	9			115	15	17			89	20	14																														
17	166	6	5			137	11	7			112	15	19			85	15	12																														
18	166	4	6			136	11	6			115	12	13			89	15	10																														
19	165	7	4			138	9	5			115	15	7			95	15	9																														
20	166	8	4			138	10	5			116	13	7			97	12	7																														
21	166	6	6			140	8	6			117	10	9			98	9	6																														
22	166	6	5			140	8	5			117	13	8			99	12	8																														
23	166	8	5			140	12	3			118	14	8			101	6	10																														

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month October 1963

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm
00	160	11	3			133	15	2		
01	160	11	3			135	10	4		
02	160	9	2			135	13	5		
03	160	8	2			135	13	4		
04	160	6	4			134	11	4		
05	159	8	3			131	13	4		
06	158	4	4			129	11	6		
07	156	7	3			125	14	5		
08	156	5	3			125	12	8		
09	*156					123	11	6		
10	156	6	4			123	10	6		
11	157	3	5			123	10	6		
12	158	4	4			125	10	6		
13	158	4	2			127	10	8		
14	160	4	4			127	13	7		
15	160	5	4			127	16	6		
16	158	8	4			127	16	7		
17	158	7	4			127	16	4		
18	160	6	4			129	16	6		
19	160	8	4			131	17	4		
20	160	6	4			133	9	4		
21	160	8	4			133	12	3		
22	160	9	4			135	11	4		
23	160	9	2			133	13	2		

Hour (LST)	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	113	18	6			94	15	3		
01	113	16	4			96	12	6		
02	113	16	4			94	13	4		
03	112	16	5			94	13	5		
04	111	15	5			93	11	8		
05	106	19	8			88	13	15		
06	95	26	10			*92				
07	97	26	12			*87				
08	*113					*86				
09	101	16	16			*79				
10	93	20	8			*80				
11	93	16	7			*70				
12	95	20	9			*84				
13	97	24	12			*83				
14	101	25	16			*88				
15	111	18	23			*90				
16	109	21	19			*96				
17	103	25	16			84	23	14		
18	109	25	9			88	23	7		
19	109	22	5			94	16	8		
20	111	16	6			94	11	6		
21	111	15	4			94	10	5		
22	111	17	4			94	13	2		
23	113	17	6			96	14	7		

Hour (LST)	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00																				
01																				
02																				
03																				
04																				
05																				
06																				
07																				
08																				
09																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month November 19 63

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495																								
	Fam	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	158	8	6			138					111	10	6			91	13	6																						
01	158	6	4			137					111	10	8			91	12	8																						
02	158	7	4			138					109	12	6			89	13	6																						
03	158	5	4			138					109	10	8			87	12	6																						
04	158	5	4			137					107	12	8			85	12	7																						
05	158	4	4			136					105	11	10			85	11	10																						
06	156	6	6			134					97	9	9			72	9	3																						
07	156	6	5			128					97	9	12			*72																								
08	154	7	4			124					97	13	12			*73																								
09	152	8	2			121					*96					*73																								
10	154	6	6			122					94	14	9			*73																								
11	154	5	2			120					91	21	6			*85																								
12	154	6	2			122					89	28	4			*87																								
13	156	3	4			122					91	30	4			*90																								
14	154	6	2			122					93	21	8			*73																								
15	154	6	2			124					93	18	8			*84																								
16	154	7	4			124					91	21	4			*77																								
17	154	8	5			126					97	22	5			79	16	5																						
18	156	7	5			128					103	16	7			85	14	8																						
19	156	8	4			134					103	16	7			87	12	8																						
20	156	10	5			136					107	13	9			87	12	8																						
21	156	10	4			137					107	15	5			91	11	8																						
22	156	10	4			137					109	13	7			91	11	6																						
23	156	10	4			138					109	10	6			91	13	7																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Autumn (Sept. Oct. Nov.) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	166	8	6	12.5	18.0	164	10	8	13.5	18.5	164	6	10	14.5	19.0	166	8	6	12.5	15.5	164	8	6	12.0	16.0	164	8	8	12.5	17.5
.051	145	8	10	12.5	17.0	143	8	14	13.5	18.5	139	10	14	14.5	21.0	143	12	12	12.5	18.5	143	8	10	11.5	16.0	143	6	8	12.5	17.0
.160	125	6	6	9.5	14.5	123	8	15	12.5	19.0	117	12	20	15.5	22.0	123	14	18	14.5	20.0	121	8	10	11.0	16.0	123	6	8	9.5	14.0
.495	103	8	6	8.0	12.0	97	12	16	10.5	16.5	89	16	14	12.5	19.0	101	18	20	12.5	18.0	99	9	10	9.0	13.0	101	8	4	7.0	10.5
2.5	73	6	8	6.5	10.0	71	8	15	9.0	13.0	47	16	10	9.0	13.0	53	26	16	11.0	15.0	65	10	14	9.0	13.0	71	6	6	7.5	10.5
5	66	6	10	6.0	8.5	62	8	10	6.5	10.0	48	12	10	8.0	11.5	52	20	14	8.5	11.0	54	8	10	6.0	8.5	68	6	10	5.5	8.0
10	43	15	8	5.0	7.0	43	14	8	5.5	8.5	43	14	8	8.0	11.5	45	16	8	7.0	10.0	49	21	8	5.0	7.5	43	10	8	4.5	6.5
20	28	2	6	2.5	3.5	34	5	3	2.5	4.0	30	6	4	4.5	6.0	36	8	6	5.5	8.0	32	6	6	4.5	6.0	26	8	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Autumn (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	8	4	11.5	18.0	155	8	4	12.0	19.0	153	8	4	11.0	17.0	155	12	6	9.5	15.0	157	10	6	10.5	17.0	157	10	6	11.5	18.0
.051	134	6	6	7.0	11.0	130	8	10	6.5	10.5	120	14	6	7.0	11.0	124	18	8	6.5	11.0	130	14	8	6.5	11.0	134	8	6	6.0	10.5
.160	108	12	8	9.0	16.0	96	20	24	11.0	18.0	80	28	15	7.5	11.5	90	31	22	9.5	15.0	104	20	16	8.0	14.5	108	14	10	8.0	14.5
.495	90	12	10	8.0	15.0	68	24	16	6.5	11.0	54	23	4	2.5	4.5	58	36	6	5.0	8.5	82	18	20	6.5	12.0	90	12	10	7.0	12.5
2.5	61	14	12	4.5	8.0	49	18	16	5.5	8.5	23	10	4	3.5	5.5	23	26	2	3.5	5.5	53	16	20	4.0	7.0	61	14	10	4.5	7.5
5	53	8	8	4.0	7.0	47	10	12	4.5	7.0	27	12	8	3.5	6.5	29	20	10	4.0	6.5	51	12	12	3.5	6.0	53	10	8	4.0	7.0
10	37	14	7	2.0	4.0	37	12	6	2.0	4.5	33	6	4	2.5	4.5	37	12	6	3.0	5.0	47	20	14	3.0	4.5	39	16	8	2.0	3.5
20	25	2	2	1.0	2.5	25	2	2	1.0	2.5	27	2	4	1.5	2.5	27	4	2	2.0	3.0	25	4	0	1.5	2.5	25	2	2	1.0	2.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Autumn (Sept. Oct. Nov.) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	159	6	6	12.0	18.5	155	8	4	13.0	19.5	153	8	4	12.0	18.0	157	12	6	11.0	16.5	159	10	8	11.5	18.0	159	10	6	12.0	18.5
.051	135	9	4	8.5	13.0	131	8	8	9.0	13.0	123	12	8	8.5	12.5	127	16	12	8.5	13.5	133	14	8	8.0	13.0	135	12	6	8.5	14.5
.160	111	10	8	10.0	17.0	99	18	18	11.5	17.5	87	22	8	9.0	12.5	93	32	14	8.5	13.5	107	20	16	9.5	15.0	111	14	10	9.5	16.0
.495	93	10	10	8.0	14.5	74	21	11	7.5	12.5	67	12	4	5.0	8.5	69	36	6	6.0	10.0	89	18	18	7.0	11.5	95	10	12	7.5	13.0
2.5	61	12	12	5.0	9.5	53	14	10	6.0	10.0	45	14	6	4.0	7.0	47	16	6	3.5	7.5	57	14	12	5.5	10.0	61	14	12	5.5	9.5
5	55	8	8	5.0	9.5	49	10	10	5.5	10.0	39	6	8	3.0	5.5	39	12	4	4.0	7.0	51	14	8	5.0	9.0	55	10	8	5.0	10.0
10	37	14	8	4.0	6.5	37	11	6	4.0	7.0	33	8	4	4.5	8.0	39	8	6	5.5	8.5	45	16	10	4.0	7.5	41	12	8	3.5	6.5
20	24	4	2	2.0	3.5	24	4	2	2.5	4.0	28	4	4	3.5	6.0	30	4	4	4.0	6.5	26	4	2	3.5	6.0	26	2	4	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0 S Long. 120.0 W Season Spring (Sept. Oct. ***) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	104	18	2			104	18	2			102	20	2			102	20	2			103	19	3			104	18	4		
.113	86	22	2			86	22	6			86	22	4			86	24	4			86	32	4			82	22	2		
.246	70	22	4			70	22	4			70	24	4			70	26	5			70	22	4			70	22	4		
.545	55	16	4			55	14	4			57	14	8			57	13	7			57	10	6			55	18	4		
2.5	43	11	6			43	12	14			41	11	12			39	15	6			39	14	12			41	13	14		
5	34	14	12			30	14	10			30	16	10			32	14	10			34	8	10			36	10	10		
10	30	8	9			26	11	7			26	10	8			30	8	9			32	8	10			31	9	8		
20	24	5	4			22	7	4			22	8	4			24	6	4			24	4	4			24	6	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Spring (Sept. Oct. Nov.) 1963

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	2	2	7.0	12.0	154	4	4	9.0	15.0	152	4	4	12.0	19.0	152	8	4	11.5	18.5	154	6	4	9.0	15.0	156	4	4	9.0	14.0
.051	129	4	4	9.0	14.5	123	8	10	9.0	15.0	113	12	8	13.5	21.0	119	12	10	11.0	18.0	123	12	12	9.5	16.5	127	10	4	10.0	16.0
.160	105	6	6	7.5	13.5	91	14	26	10.0	17.0	73	24	14	9.0	14.5	83	24	20	9.0	14.5	97	18	21	9.0	16.0	107	8	10	8.0	15.0
.495	86	8	6	7.0	13.5	66	18	24	5.5	9.5	46	24	6	5.0	7.5	52	26	12	6.5	10.0	74	20	26	7.0	13.5	86	8	8	7.5	14.5
2.5	60	8	8	7.0	12.0	52	10	24	7.0	12.0	24	12	4	6.0	9.5	24	17	4	6.5	10.0	48	18	24	6.5	12.0	62	8	8	6.5	12.5
5	57	6	4	5.0	9.0	51	8	18	6.0	10.0	25	10	6	7.0	11.5	27	12	8	6.5	12.0	59	6	6	6.0	11.0	51	12	14	6.0	13.0
10	39	6	6	4.0	7.0	35	8	4	3.5	6.5	27	8	4	4.0	6.5	31	12	6	4.5	7.0	45	8	6	4.5	8.0	43	6	4	4.0	7.5
20	21	2	0	3.0	4.0	21	2	0	2.5	4.0	21	2	0	3.0	5.0	29	6	2	3.0	5.0	23	6	2	3.0	5.0	23	2	2	2.5	4.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 82.5-97.5 W Season Spring (*** Oct. ***) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	6	2	9.0	14.0	148	4	3	10.5	15.0	150	4	4	8.0	13.0	152	4	13	6.0	10.0	150	2	6	8.5	13.5	150	5	2	8.5	14.0
.051	122	6	8	7.0	12.0	106	6	6	9.0	13.5	104	8	4	7.0	12.0	104	12	8	5.0	8.5	112	9	16	6.0	10.0	122	7	4	6.0	10.5
.160	92	9	10	5.5	10.0	72	6	6	7.0	10.0	69	6	5	5.0	7.5	70	13	6	4.5	5.5	80	13	8	5.0	8.5	92	10	6	4.0	8.0
.495	80	7	16	3.5	7.0	72	8	10	3.0	6.5	76	6	8	3.0	6.5	72	10	13	2.5	6.0	78	5	12	3.0	5.5	82	7	6	3.5	7.0
2.5	59	6	7			39	7	6			39	7	4			39	4	6			53	12	10			59	8	2		
5	54	7	6			42	6	6			36	10	4			36	24	2			52	8	12			57	3	6		
10	43	8	6			35	4	4			29	2	2			33	9	3			43	9	4			43	7	2		
20	28	5	1			28	2	0			28	10	0			30	6	2			28	6	0			28	1	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No September of November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 67.5-82.5 W Season Spring (*** Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	4	12			150	2	10			150	4	2			154	2	4			150	4	4			152	4	6		
.051	122	8	8			106	10	8			106	8	10			108	6	6			104	18	8			122	10	10		
.160	94	10	14			72	6	6			70	8	6			70	12	4			76	18	10			94	8	10		
.495	74	12	12			66	12	4			72	8	8			70	8	6			74	6	10			74	14	6		
2.5	60	6	4	4.0	7.0	40	10	8	4.0	6.0	38	2	4	3.0	5.0	36	2	8	3.0	5.5	40	8	8	2.5	4.5	62	6	8	3.0	6.0
5	55	6	4	4.5	7.5	39	8	6	5.5	8.0	33	2	4	6.0	8.5	33	7	4	6.5	9.0	45	12	12	3.5	6.0	57	4	4	3.0	6.0
10	42	4	4	4.5	7.0	36	6	4	4.0	6.0	30	2	2	2.5	3.5	30	4	2	2.0	3.5	38	8	4	3.0	5.0	44	2	6	4.0	6.5
20	29	8	2	1.5	3.0	29	4	2	2.0	3.0	29	4	2	1.5	3.0	29	4	0	2.0	3.0	31	4	2	2.0	3.0	31	6	4	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No September data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 82.5-97.5 W Season Spring (*** Oct ***) 19 63

	TIME BLOCKS (LST)																											
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	2	2			150	2	6			150	4	2			152	4	3			150	6	4			152	4	12		
.051	124	6	2			110	8	7			106	6	4			108	6	6			118	6	12			122	8	6		
.160	100	6	6			75	7	9			66	28	2			68	14	4			86	12	10			98	8	11		
.495	84	8	10			66	7	2			66	10	2			66	8	2			78	6	12			86	6	4		
2.5	63	6	6	3.0	6.0	41	15	9	5.0	9.0	33	6	6	4.0	7.0	33	11	6	4.0	7.0	57	8	11	3.5	6.5	65	6	4	3.0	5.5
5	58	4	4	3.5	6.5	42	13	6	6.5	10.0	34	7	4	9.0	13.0	32	8	4	6.5	10.0	51	5	9	3.0	5.0	58	7	6	3.0	5.5
10	43	8	2	3.5	6.0	37	9	5	3.5	6.0	29	7	2	2.0	3.0	33	12	4	2.0	4.0	43	8	2	3.5	6.0	45	8	4	3.0	6.0
20	28	4	0	2.0	3.0	30	4	2	1.5	3.0	28	9	0	1.5	3.0	30	6	2	2.0	3.5	28	6	2	1.5	3.0	28	14	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No September or November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Season Spring (Sept. *** Nov) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	4	4	10.0	16.0	151	4	4	11.0	17.0	151	5	4	9.5	15.0	155	2	6	7.0	11.0	151	4	8	7.5	12.5	151	6	6	9.5	15.0
.051	125	6	6	7.0	11.5	111	8	12	9.5	15.0	111	8	14	9.5	15.5	112	9	9	7.0	11.0	107	10	8	7.5	12.0	123	8	8	6.5	11.0
.160	99	8	14	6.5	12.0	73	15	6	9.0	13.0	70	22	7	8.5	11.5	73	20	8	10.0	13.0	76	16	12	8.0	11.0	99	10	8	5.5	9.5
.495	77	14	14	4.5	8.0	69	13	14	4.5	7.5	75	9	10	5.0	8.0	73	8	6	3.5	6.0	75	10	10	3.0	5.5	79	14	8	4.0	7.0
2.5	64	8	8			38	14	6			36	4	7			34	4	6			42	16	12			62	10	4		
5	56	8	6			38	12	6			32	8	4			34	12	6			46	12	14			58	6	4		
10	44	8	6			36	10	4			30	3	2			32	4	4			40	6	6			46	4	8		
20	30	8	2			32	6	2			30	8	2			32	4	2			32	8	2			32	8	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No October data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Season Spring (Sept. *** ***) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	8	16	10.0	15.5	144	20	22	11.0	17.0	143	11	17	8.5	13.0	126	18	17	6.5	11.0	146	6	4	6.0	10.0	150	6	6	8.0	13.0
.051	118	12	13	7.0	12.0	111	11	18	12.5	19.0	108			12.0	18.0	100	22	8	10.0	14.0	106	8	10	5.0	8.0	115	14	7	6.5	11.0
.160	96	19	9	5.5	10.0	90			13.0	18.0	86			20.0	28.0	82			15.0	20.0	82			10.0	15.0	81	9	13	5.5	8.5
.495	86	13	4	3.5	7.5	72	14	14	4.0	7.0	71			4.5	7.5	72	6	6	5.5	11.0	74	9	6	4.0	8.0	84	15	6	4.5	8.0
2.5	59	16	2			53	22	15			31	8	4			33	36	6			51	15	12			60	14	5		
5	55	12	2			51	8	16			29	15	4			27	20	2			53	8	17			59	9	6		
10	45	3	8			35	10	2			31					34	7	5			45	4	2			44	5	7		
20	29	2	2			29	5	0			31	4	2			27	4	0			33	0	4			33	2	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * * No October or November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 37.5-52.5 W Season Spring (Sept. *** ***) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150					149					146					148	6	2			150	4	2			152	6	2		
.051	118					116					109					106	4	12			108	6	11			116	8	4		
.160	98					94					90					87	7	23			86	6	18			92	18	2		
.495	84					76					78					68	4	2			76	7	6			84	38	5		
2.5	59			4.0	7.0	59			5.0	9.0	38			8.5	11.5	35	4	4	8.5	12.0	51	8	14	4.0	7.0	61	7	4	3.5	6.0
5	55			5.0	8.0	51			5.0	8.0	30			10.0	13.5	30	10	3	6.5	9.0	49	5	12	3.0	5.5	55	7	4	3.5	6.0
10	37			3.0	4.5	37			3.5	5.0	31			3.0	5.0	35	8	4	3.5	4.5	45	16	4	2.5	5.0	45	6	6	3.0	4.5
20	27			2.0	3.0	29			3.0	5.0	29			2.0	3.5	29	2	2	2.0	3.5	29	6	2	1.5	3.0	29	30	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No October or November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 22.5-37.5 W Season Spring (Sept. *** ***) 1963

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	6	10	7.0	12.0	150	8	6	7.5	12.5	148	7	8	7.5	12.0	150	2	15	8.0	12.0	148	6	4	6.5	10.5	152	4	6	7.0	11.5
.051	124	8	10	5.0	9.0	120	12	8	5.5	9.5	110	12	12	8.0	12.5	105	7	9	8.0	14.0	110	10	10	8.0	13.5	119	9	9	6.5	11.0
.160	98	10	12	4.0	8.0	92	14	10	4.5	8.5	86	11	21	5.0	13.5	79	7	15	8.5	12.0	81	10	13	6.0	11.0	90	15	10	5.0	10.5
.495	86	6	9	3.0	5.5	78	12	16	3.5	6.5	70	6	10	4.0	7.0	74	4	18	6.5	10.5	74	7	14	4.0	9.0	81	8	6	4.5	8.5
2.5	67	8	8	3.0	6.0	65	8	12	5.0	9.0	39	10	8	5.5	8.0	39	6	6	5.0	7.5	51	11	10	4.0	7.0	63	7	2	3.5	6.5
5	57	8	4	3.0	5.5	57	6	10	6.0	9.5	35	12	4	7.0	10.0	33	8	6	3.0	5.5	51	7	11	2.5	5.0	55	4	4	3.0	6.0
10	35	12	4	2.0	3.0	41	10	8	2.5	4.5	39	8	6	3.0	6.0	35	4	4	3.0	5.0	43	11	6	2.5	4.5	41	12	7	2.5	4.5
20	28	7	1	1.0	2.5	29	2	2	1.5	3.0	29	2	2	1.5	2.5	31	6	2	2.0	4.0	29	6	0	4.0	5.0	29	8	2	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No October or November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 67.5-82.5 W Season Spring (Sept Oct ***) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	2	4	11.5	18.0	155	4	2	11.5	18.0	154	5	1	10.5	16.0	159	4	4	7.0	11.0	155	5	2	8.0	13.0	155	8	2	9.0	15.0
.051	131	6	6	8.0	13.5	123	8	8	11.5	17.5	120	6	8	11.5	16.5	120	5	5	7.5	11.5	117	14	11	11.0	13.0	129	13	5	8.0	13.0
.160	109	8	4	7.0	13.0	99	6	14	17.0	23.0	89	9	5	14.0	21.5	92	6	10	18.5	21.5	97	15	14	12.5	18.0	107	22	7	5.5	10.5
.495	93	4	6	6.0	11.0	71	16	10	5.0	8.0	69	2	22	4.5	6.0	72	3	9	4.5	6.0	83	14	15	4.0	7.0	91	15	7	3.5	6.0
2.5	72	4	6	3.5	7.0	64	8	18	5.5	8.0	37	6	9	5.0	7.0	38	8	8	4.5	7.0	60	12	19	4.0	7.0	68	16	5	3.5	6.5
5	64	2	6	3.0	5.0	56	8	8	4.5	7.5	34	13	5	6.0	9.0	36	8	8	7.0	11.0	54	8	9	3.0	6.0	62	6	6	3.0	5.5
10	46	6	6	4.5	8.0	44	4	8	3.5	6.0	32	7	2	3.5	6.5	36	4	4	4.0	7.0	46	5	8	3.0	5.5	46	8	5	3.0	6.0
20	28	12	2	3.0	4.5	29	7	3	3.0	5.5	30	2	4	2.5	4.0	30	7	0	3.0	5.0	32	6	4	2.5	5.0	28	2	0	3.5	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * * No November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 67.5-82.5 W Season Spring (Sept. Oct. ***) 19 63

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
* .013	161	4	4	6.0	10.0	159	4	2	9.0	14.5	157	6	2	9.0	14.0	163	2	2	6.5	10.5	159	4	2	6.5	10.5	157	8	2	7.0	12.0
* .051	139	2	6	5.0	9.0	127	10	8	8.5	13.0	123	9	7	7.5	14.0	127	2	2	5.5	9.5	129	6	10	5.5	9.0	131	10	2	5.0	9.0
* .160	123	4	12	3.5	6.0	103	14	18	4.5	8.0	89	16	8	6.0	10.0	93	10	6	8.0	14.5	111	10	10	4.0	7.0	115	12	4	4.0	7.5
* .495	103	4	10	3.0	6.0	75	20	6	4.0	7.0	71	6	14	1.5	3.5	75	4	16	3.0	5.5	95	6	22	3.5	6.0	99	10	6	3.5	6.5
** 2.5	80	4	8	5.5	9.0	68	12	20	5.0	8.5	40	6	4	2.5	5.0	40	12	4	2.5	5.0	72	8	16	3.0	5.0	74	10	2	5.0	8.5
** 5	66	2	4	4.5	7.0	56	10	14	5.0	8.5	38	14	5	6.5	10.5	44	12	8	5.5	9.0	64	6	10	4.5	8.5	66	2	4	5.0	8.0
** 10	48	8	6	4.0	7.0	42	14	4	4.5	7.5	34	6	8	5.5	8.0	40	10	8	5.0	9.0	50	4	6	3.5	6.0	44	12	2	3.0	5.5
** 20	36	22	10	3.0	5.5	30	24	4	2.0	4.0	30	4	2	3.0	4.5	36	8	6	4.0	7.0	38	12	8	2.5	5.5	30	18	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* No October data

** No September data

*** No November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Autumn (Sept. Oct. xxx) 1963

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	4	2	9.5	15.5	153	2	4	10.0	16.5	149	4	4	11.5	18.0	151	6	6	7.5	13.0	153	4	6	7.0	12.0	153	4	4	7.5	12.5
.051	123	8	8	10.5	16.0	119	10	12	12.0	18.0	119	8	24	14.5	21.0	117	12	16	11.5	17.0	121	8	12	10.5	16.0	125	6	10	9.0	14.0
.160	102	6	8	6.5	11.5	98	4	18	8.0	13.0	78	21	6	14.0	20.0	84	16	10	13.0	17.5	96	8	16	7.5	12.5	102	6	8	6.5	11.0
.495	85	8	10	4.0	6.5	57	22	6	6.5	9.0	53	24	4	12.0	17.0	53	22	4	9.0	13.5	69	14	14	5.5	8.0	87	8	10	3.5	6.5
2.5	58	6	8	5.0	9.5	54	6	20	6.0	10.0	32	10	5	5.5	7.0	36	8	8	2.5	6.5	50	11	12	4.5	8.0	59	7	7	4.5	8.0
5	50	6	4	4.5	7.5	44	7	10	5.5	8.5	28	10	6	5.0	8.0	31	8	9	4.5	7.5	50	8	12	4.5	7.5	54	6	8	4.0	7.5
10	33	12	4	2.0	4.0	35	6	6	3.0	5.0	35	8	6	3.5	6.0	37	8	8	5.0	8.0	45	4	6	4.0	7.0	40	14	9	3.0	5.5
20	19	0	2	1.5	3.0	19	0	2	1.5	3.0	19	4	2	1.5	3.5	21	2	2	2.0	3.5	19	4	0	1.5	3.0	19	2	2	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No November data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Autumn (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	108	6	6			101	9	9			92	9	6			92	9	6			100	8	10			107	6	4		
.500	86	7	5			73	14	15			57	4	3			59	6	5			69	15	10			85	6	6		
2.5	64	9	10			56	12	15			34	6	3			33	7	3			52	13	13			63	8	9		
5	58	5	6			53	8	10			32	6	5			32	8	4			51	10	11			57	6	6		
10	37	5	2			38	4	3			37	6	4			40	5	5			44	5	5			38	7	3		
20	23	2	1			23	2	1			26	2	3			27	3	2			26	4	2			24	2	1		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Season Autumn (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	4	4	11.0	17.0	153	4	4	11.5	18.0	149	4	2	12.0	18.0	149	4	2	13.0	20.0	147	6	2	12.0	19.5	151	4	4	10.5	16.5
.051	132	6	4	11.0	17.5	130	6	8	12.0	19.0	112	10	8	11.0	15.5	112	10	8	11.0	15.5	112	12	10	9.0	13.5	124	10	6	11.5	17.5
.160	109	10	6	10.5	17.5	105	9	26	9.5	15.0	77	21	10	3.0	5.5	75	24	10	5.5	8.0	87	20	20	6.5	10.0	105	12	10	10.0	15.5
.495	86	12	8	10.5	18.0	78	14	26	8.0	14.0	52	20	4	5.0	8.0	50	18	4	5.0	12.5	64	20	14	6.0	9.0	76	12	8	9.5	16.5
2.5	60	8	6	9.0	14.0	56	8	12	8.5	13.5	34	11	6	3.5	6.0	30	8	4	3.0	4.5	42	14	14	5.0	7.5	58	10	7	8.0	13.0
5	54	4	8			50	4	8	5.0	8.0	26	12	8	4.0	6.0	22	12	4	3.0	5.0	42	10	16	3.5	6.0	52	6	5	4.5	7.5
10	34	4	2	5.0	7.5	32	4	4	4.0	5.5	26	10	8	6.5	9.5	22	12	6	7.0	10.5	34	6	4	5.5	8.5	36	4	4	4.0	6.0
20	23	0	2	1.5	3.5	23	2	2	2.0	3.5	21	4	0	3.0	5.0	23	4	2	3.0	5.5	23	2	2	3.0	5.0	23	2	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Autumn (Sept. Oct. Nov.) 1963

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	2	4	8.0	10.5	152	4	4	8.0	10.0	148	4	4	7.0	10.0	152	4	6	7.5	10.0	152	4	4	7.0	9.0	154	2	4	7.0	9.0
.051	132	6	4	9.5	13.0	128	8	10	9.0	12.0	118	12	6	7.0	9.5	126	12	10	9.0	11.5	128	10	8	9.0	12.0	132	6	4	8.5	11.0
.160	114	8	8	9.0	12.5	106	12	18	9.0	13.5	96	14	8	8.5	13.0	100	20	8	10.0	14.0	110	10	12	9.0	13.5	114	8	6	8.0	12.0
.495	93	11	8	8.0	11.0	81	18	10	6.5	11.0	77	12	8	4.0	6.5	81	20	10	6.0	8.0	89	14	10	7.5	10.5	93	10	8	7.5	10.5
2.5	65	8	6	6.0	8.0	63	8	12	6.0	9.5	53	12	18	5.0	8.0	59	6	20	3.0	4.5	61	10	12	4.0	7.0	63	10	8	5.5	8.5
5	60	8	10	5.0	7.5	60	8	13	4.5	7.5	58	10	30	5.5	8.5	60	10	30	4.5	7.5	60	8	11	4.5	7.5	58	10	8	4.0	6.5
10	44	6	12	11.0	6.0	44	8	12	3.5	5.5	42	8	16	4.5	7.0	46	6	16	4.0	6.0	46	6	10	4.5	7.0	44	6	10	3.5	5.5
20	25	4	2	3.0	4.5	25	4	2	2.0	3.0	27	4	4	3.5	5.0	29	4	4	3.5	5.0	27	6	4	3.0	4.0	25	4	2	2.5	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Autumn (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	6	10	11.5	17.0	151	6	10	12.5	18.0	149	8	8	15.0	21.0	151	6	8	14.5	21.0	153	6	12	11.0	17.5	153	6	12	12.0	17.5
.051	131	5	10	13.5	20.0	123	10	10	12.5	19.0	115	12	10	22.0	15.0	117	10	10	14.5	21.5	121	10	14	12.5	18.5	129	6	8	12.0	18.5
.160	112	6	6	10.0	17.5	98	14	20	11.5	18.5	86	16	14	11.0	18.0	86	18	14	13.5	20.0	98	14	16	12.0	20.0	112	6	8	11.0	18.0
.495	90	8	8	9.0	17.0	72	16	16	9.5	16.5	62	16	6	9.5	15.5	64	18	8	11.0	18.0	82	12	16	8.5	15.0	90	8	8	8.5	15.5
2.5	59	10	6	8.0	12.5	53	12	12	7.5	11.5	36	4	4	8.0	12.0	39	6	2	7.0	10.5	53	12	10	7.0	11.0	59	8	4	6.5	11.0
5	56	6	6	6.0	10.5	52	8	12	6.0	10.0	36	12	4	7.0	10.0	36	12	4	6.5	9.5	52	10	6	5.5	9.5	56	6	5	6.0	10.0
10	36	8	4	3.5	6.0	36	10	4	3.5	6.0	34	8	6	5.5	7.5	36	10	6	4.5	6.5	44	6	6	3.5	6.0	38	10	6	3.0	5.5
20	24	2	2	1.5	3.0	24	4	2	2.0	3.5	26	4	2	3.0	5.0	26	4	2	2.5	4.5	26	4	2	2.0	3.5	24	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Season Spring (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	157	6	3			155	6	4			153	6	4			159	8	7			161	8	4			159	8	4		
.051	132	8	7			128	8	10			118	14	14			120	24	7			126	22	6			132	12	6		
.160	109	15	5			101	15	24			85	24	14			98	29	27			113	18	26			115	12	10		
.495	95	10	8			73	22	14			61	14	4			59	52	2			91	20	30			99	8	10		
2.5	70	6	10			60	12	14			46	4	4			46	18	2			66	14	20			72	8	8		
5	58	6	8			52	8	10			36	9	4			38	16	6			58	10	18			58	10	8		
10	39	10	6			39	8	6			33	10	6			41	8	10			51	6	6			45	8	6		
20	24	4	6			22	6	4			26	4	6			30	6	8			30	11	8			24	6	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Autumn (Sept. Oct. Nov.) 1963

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	155	5	6			153	6	4			151	6	4			153	6	6			151	8	4			153	6	4		
.051	130	6	6			126	6	10			114	12	8			118	10	10			122	8	10			128	6	6		
.160	113	7	6			103	6	18			93	10	12			93	12	10			103	10	8			111	8	6		
.495	87	10	6			73	14	14			61	14	8			59	22	6			81	10	10			89	8	8		
2.5	49	8	9			44	10	11			33	12	7			35	6	9			42	10	8			49	6	9		
5	49	7	7			46	11	13			25	12	13			24	13	12			44	10	12			50	7	10		
10	25	12	8			23	12	8			21	11	8			21	8	8			29	10	6			27	10	6		
20	17	4	6			19	6	8			21	6	8			23	6	9			21	6	7			19	5	6		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Saõ Jose, Brazil Lat. 23.3 S Long. 45.8 W Season Fall (Mar. Apr. ***) 19 62

Frequency (Mc)	TIME BLOCKS (LST) 0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	130	12	10			124	15	12			122	6	16			128	12	8			132	10	6			132	8	10		
.113	108	14	10			94	22	11			88	10	8			98	14	10			108	6	12			108	12	8		
.246	96	12	8			74	29	11			68	10	8			76	30	13			94	8	22			99	9	7		
.545	86	6	12			84	6	8			86	4	6			86	6	6			88	4	4			88	6	6		
2.5	58	8	6			54	8	20			32	10	4			36	22	8			56	14	12			60	8	4		
5	51	8	5			49	8	8			32	8	5			33	13	6			51	10	10			53	10	4		
10	43	8	5			40	6	6			34	6	6			36	9	8			44	8	4			44	6	4		
20	26	7	2			26	6	4			26	8	4			30	8	4			32	6	4			28	6	4		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No May data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Season Spring (Sept. Oct. Nov.) 1963

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.051	134	8	10			128	10	14			122	9	18			128	14	20			132	14	19			134	10	12		
.113	122	10	10			112	16	16			104	15	14			110	22	16			118	15	14			122	10	10		
.246	106	10	16			90	21	17			82	14	13			90	25	17			99	18	19			106	9	14		
.545	94	8	16			86	11	14			84	10	10			90	18	15			90	18	12			94	8	10		
2.5	60	14	12			54	18	22			29	21	13			36	28	18			56	18	20			62	14	12		
5	60	16	12			57	15	15			39	8	15			44	16	16			62	15	17			66	14	12		
10	43	14	14			39	14	14			35	12	16			37	12	13			46	13	11			46	11	14		
20	29	10	6			27	8	5			27	8	6			33	14	8			39	16	10			35	14	10		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Season Autumn (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	163	6	4	10.0	15.5	163	4	6	10.5	17.0	161	6	8	13.5	22.0	165	8	8	12.5	20.5	165	4	6	10.0	17.0	163	6	6	9.0	14.5
.051	144	5	6	10.0	17.0	140	8	8	13.0	21.0	134	9	10	14.5	24.0	144	8	13	12.5	22.0	144	6	8	11.0	19.5	143	5	5	10.5	17.5
.160	123	4	6	9.5	17.5	117	10	14	13.0	23.5	107	16	13	15.5	27.0	121	12	8	13.0	22.5	121	6	11	10.0	19.0	122	5	7	9.5	17.0
.495	100	4	6	8.5	17.0	92	12	14	12.0	21.5	84	10	12	12.5	23.0	102	14	20	13.0	22.5	100	8	9	8.5	16.5	99	5	7	8.0	15.0
2.5	55	6	6	7.0	13.0	48	11	13	8.5	15.5	27	14	10	10.0	15.5	37	24	18	8.0	18.0	49	8	14	7.5	13.0	53	6	8	7.0	12.5
5	55	7	11	5.5	10.0	49	10	14	6.5	11.0	33	12	12	8.0	14.0	43	16	18	9.5	16.5	55	6	14	6.0	10.5	59	4	12	6.0	11.0
10	41	8	8	4.0	6.5	41	10	10	3.5	6.0	39	8	12	6.0	9.0	45	7	12	6.5	11.0	49	6	6	4.0	6.5	51	4	12	4.0	7.0
20	23	2	2	1.5	3.0	23	3	3	2.0	4.0	23	6	4	2.5	4.0	27	12	5	4.5	9.0	27	6	6	2.5	5.0	27	4	4	2.5	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Autumn (Sept. Oct. Nov.) 19 63

	TIME BLOCKS (LST)																													
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	160	9	6			160	8	6			158	8	6			160	8	6			160	10	8			160	10	6		
.051	138	10	8			134	12	10			126	16	8			128	16	8			134	12	12			138	10	8		
.160	113	12	8			107	18	16			98	21	13			103	20	18			108	17	15			111	16	8		
.495	95	10	10			87	14	16			81	21	12			85	20	16			87	16	12			93	12	8		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS